No. 2G985-084EN*B

Canon

DICOM CONFORMANCE STATEMENT

FOR

ULTRASOUND IMAGE ANALYSIS PROGRAM

UltraExtend NX

MODEL CUW-U001S V2.0 SP0005*

CANON MEDICAL SYSTEMS CORPORATION

© CANON MEDICAL SYSTEMS CORPORATION 2021-2025
ALL RIGHTS RESERVED

Trademarks

DICOM® is the registered trademark of the National Electrical Manufacturers Association for its Standards publications relating to digital communications of medical information.
This document may include trademarks or registered trademarks of other companies.

IMPORTANT!

(1) No part of this document may be copied or reprinted, in whole or in part, without written permission.

(2) The contents of this document are subject to change without prior notice and without our legal obligation.

(3) Please refer to the Canon Medical Systems Corporation website for the most recent version of this conformance statement.
Global: https://www.medical.canon/Interoperability/DICOM/EN
Japan: https://www.medical.canon/Interoperability/DICOM/JP

1. CONFORMANCE STATEMENT OVERVIEW

Table 1-1 provides an overview of the network services supported by *UltraExtend™ NX.*

Table 1-1
NETWORK SERVICES

SOP Classes	User of Service (SCU)	Provider of Service (SCP)
Transfer		
Secondary Capture Image Storage	Yes	Yes
Ultrasound Image Storage	Yes	Yes
Ultrasound Multi-frame Image Storage	Yes	Yes
Enhanced US Volume Storage	Yes	No
Enhanced SR Storage	Yes	Yes
Comprehensive SR Storage	Yes	Yes

Table 1-2 provides an overview of the Media Storage Application Profiles supported by *UltraExtend™ NX.*

Table 1-2
MEDIA SERVICES

Media Storage Application Profile	Write Files (FSC or FSU)	Read Files (FSR)
Compact Disk - Recordable		
General Purpose CD-R	No	Yes
DVD Plus Recordable		
General Purpose DVD	No	Yes
USB Media		
General Purpose USB Media	Yes	Yes

2. TABLE OF CONTENTS

1. CONFORMANCE STATEMENT OVERVIEW i

2. TABLE OF CONTENTS ..... a

3. INTRODUCTION 1

3.1 REVISION HISTORY 1

3.2 AUDIENCE 1

3.3 REMARKS 1

3.4 DEFINITIONS, TERMS AND ABBREVIATIONS 2

3.5 REFERENCES 3

4. NETWORKING 4

4.1 IMPLEMENTATION MODEL 4

4.1.1 Application Data Flow 4

4.1.2 Functional Definition of AEs 5

4.1.3 Sequencing of Real-World Activities 6

4.2 AE SPECIFICATIONS 7

4.2.1 Verification SCU AE Specification 7

4.2.2 Verification SCP AE Specification 10

4.2.3 Storage SCU AE Specification 13

4.2.4 Storage SCP AE Specification 18

4.3 NETWORK INTERFACES 24

4.3.1 Physical Network Interface 24

4.3.2 Additional Protocols 24

4.3.3 IPv4 and IPv6 Support 24

4.4 CONFIGURATION 25

4.4.1 AE Title/Presentation Address Mapping 25

4.4.2 Parameters 26

5. MEDIA INTERCHANGE 27

5.1 IMPLEMENTATION MODEL 27

5.1.1 Application Data Flow 27

5.1.2 Functional Definition of AEs 27

5.1.3 Sequencing of Real-World Activities 28

5.1.4 File Meta Information for Implementation Class and Version 28

5.2 AE SPECIFICATIONS 29

5.2.1 Offline-Media AE Specification 29

5.3 AUGMENTED AND PRIVATE APPLICATION PROFILES 31

5.3.1 Augmented Application Profiles 31

5.3.2 Private Application Profiles 32

5.4 MEDIA CONFIGURATION 32

6. SUPPORT OF CHARACTER SETS 33

7. SECURITY 34

7.1 Introduction 34

7.2 DICOM Security Profile Availability 34

7.2.1 Secure Use and User Identity Profiles 34

7.2.2 Secure Transport Connection Profiles 34
7.2.3 Media Storage Security Profiles 34
7.2.4 Attribute Confidentiality Profiles 34

7.3 Application Level Security 35

8. ANNEXES 36

8.1 IOD CONTENTS 36
8.1.1 Created SOP Instances 36
8.1.2 Usage of Attributes from received IOD's 209
8.1.3 Attribute Mapping 209
8.1.4 Coerced/Modified Fields 209

8.2 DATA DICTIONARY OF PRIVATE ATTRIBUTES 210

8.3 CODED TERMINOLOGY AND TEMPLATES 210

8.4 GRAYSCALE IMAGE CONSISTENCY 210

8.5 STANDARD EXTENDED/SPECIALIZED/PRIVATE SOP CLASSES 210
8.5.1 Standard Extended SOP Classes - US Image Storage and US Multi-frame Image Storage ... 210

8.6 PRIVATE TRANSFER SYNTAXES 210

8.7 STANDARD EXTENDED AND PRIVATE TEMPLATES 210

8.8 DICOM Security Profile Details 210
8.8.1 Audit Trail Messages 210

3. INTRODUCTION

3.1 REVISION HISTORY

Table 3.1-1
REVISION HISTORY

REV.	Date of Issue	Author	Description
	October 2021	Canon Medical Systems	Initial Version
*A	December 2022	Canon Medical Systems	Add OB Ultrasound Procedure Report SR. Update Report SR with Patient Characteristics. Update Echocardiography Procedure Report SR with RV e'.
*B	May 2025	Canon Medical Systems	Add Audit Trail Messages support.

3.2 AUDIENCE

This document is intended for hospital staff, health system integrators, software designers or implementers. It is assumed that the reader has a working understanding of DICOM.

3.3 REMARKS

DICOM, by itself, does not guarantee interoperability. However, the Conformance Statement facilitates a first-level validation for interoperability between different applications supporting the same DICOM functionality.

This Conformance Statement is not intended to replace validation with other DICOM equipment to ensure proper exchange of information intended.

The scope of this Conformance Statement is to facilitate communication with Canon Medical Systems and other vendors' Medical equipment. The Conformance Statement should be read and understood in conjunction with the DICOM Standard [DICOM]. However, by itself it is not guaranteed to ensure the desired interoperability and a successful interconnectivity.

The user should be aware of the following important issues:

- The comparison of different conformance statements is the first step towards assessing interconnectivity between Canon Medical Systems and non-Canon Medical Systems equipment.
- Test procedures should be defined to validate the desired level of connectivity.
- The DICOM standard will evolve to meet the users' future requirements. Canon Medical Systems is actively involved in developing the standard further and therefore reserves the right to make changes to its products or to discontinue its delivery.

3.4 DEFINITIONS, TERMS AND ABBREVIATIONS

Definitions, terms and abbreviations used in this document are defined within the different parts of the DICOM standard.

Abbreviations and terms are as follows:

AE	Application Entity
ASCE	Association Control Service Element
CD-R	Compact Disk Recordable
CM	Code Meaning (0008,0104)
CSD	Coding Scheme Designator (0008,0102)
CV	Code Value (0008,0100)
DHCP	Dynamic Host Configuration Protocol
DIMSE	DICOM Message Service Element
DNS	Domain Name System
DVD	A trademark of the DVD forum that is not an abbreviation
DVD+R	DVD Plus Recordable
FSC	File-Set Creator
FSR	File-Set Reader
FSU	File-Set Updater
IE	Information Entity
IEEE	Institute of Electrical and Electronics Engineers
IOD	Information Object Definition
IPv4	Internet Protocol version 4
IPv6	Internet Protocol version 6
ISO	International Standard Organization
JPEG	Joint Photographic Experts Group
MPPS	Modality Performed Procedure Step
MSPS	Modality Scheduled Procedure Step
MWM	Modality Worklist Management
NTP	Network Time Protocol
PDU	Protocol Data Unit
RLE	Run Length Encoding
SC Option	Service Class Option
SCU	Service Class User (DICOM client)
SCP	Service Class Provider (DICOM server)
SOP	Service-Object Pair
SR	Structured Reporting
TCP/IP	Transmission Control Protocol/Internet Protocol
UID	Unique Identifier
USB	Universal Serial Bus
VR	Value Representation

3.5 REFERENCES

NEMA PS3 Digital Imaging and Communications in Medicine (DICOM) Standard, available free at https://www.dicomstandard.org/

4. NETWORKING

4.1 IMPLEMENTATION MODEL

4.1.1 Application Data Flow

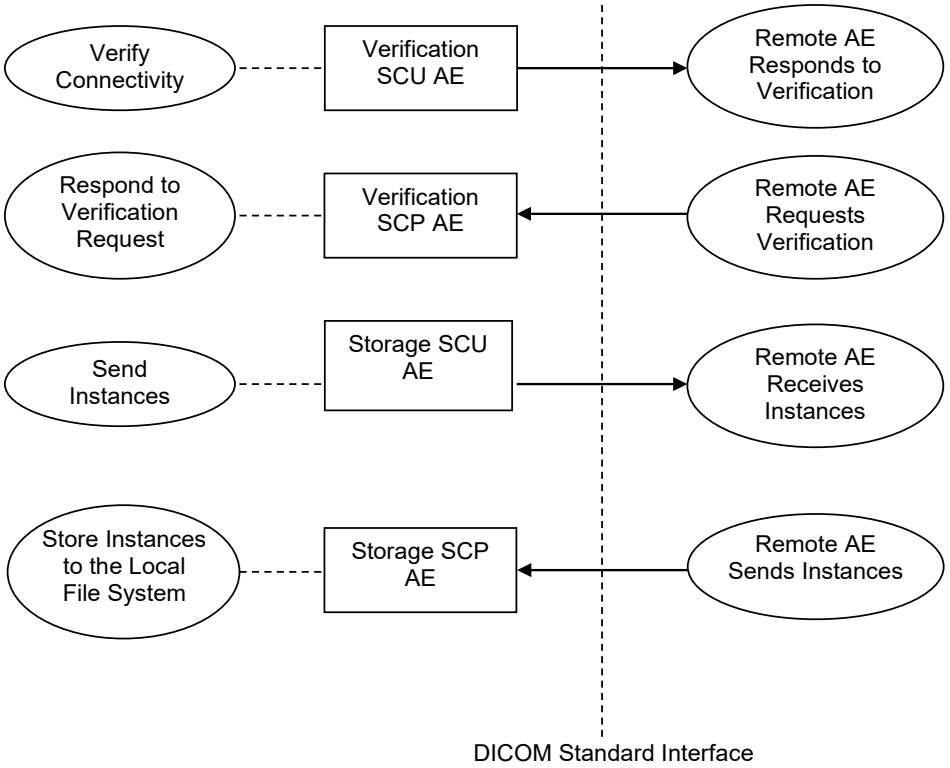


Figure 4.1-1
APPLICATION DATA FLOW DIAGRAM

— The Verification SCU AE issues a C-ECHO to verify a DICOM connection to a remote AE. It is associated with the local real-world activity "Verify Connectivity". "Verify Connectivity" is performed via the Service Tool.

— The Verification SCP AE responds successfully to C-ECHO requests from known AE Titles. It is associated with the local real-world activity "Respond to Verification Request".

— The Storage SCU AE sends instances to a remote AE. It is associated with the local real-world activity "Send Instances". "Send Instances" is performed upon user request for specific instances selected.

— The Storage SCP AE receives incoming instances. It is associated with the local real-world activity "Store Instances to the Local File System". "Store Instances to the Local File System" stores the received instances to the local file system.

4.1.2 Functional Definition of AEs

4.1.2.1 Functional Definition of Verification SCU AE

The Verification SCU AE issues a C-ECHO to verify a DICOM connection to a remote AE. It is performed via the Service Tool.

4.1.2.2 Functional Definition of Verification SCP AE

The Verification SCP AE responds successfully to C-ECHO requests from known AE Titles.

4.1.2.3 Functional Definition of Storage SCU AE

The existence of a send-job queue entry with associated network destination will activate the Storage SCU AE. An association request is sent to the destination AE and upon successful negotiation of a Presentation Context the image transfer is started.

4.1.2.4 Functional Definition of Storage SCP AE

The Storage SCP AE waits for another application to connect at the presentation address configured for its Application Entity Title. The Storage SCP AE will accept Associations with Presentation Contexts for SOP Classes of the Verification and Storage Service Classes. Any instances received on such Presentation Contexts will be stored to the local file system.

4.1.3 Sequencing of Real-World Activities

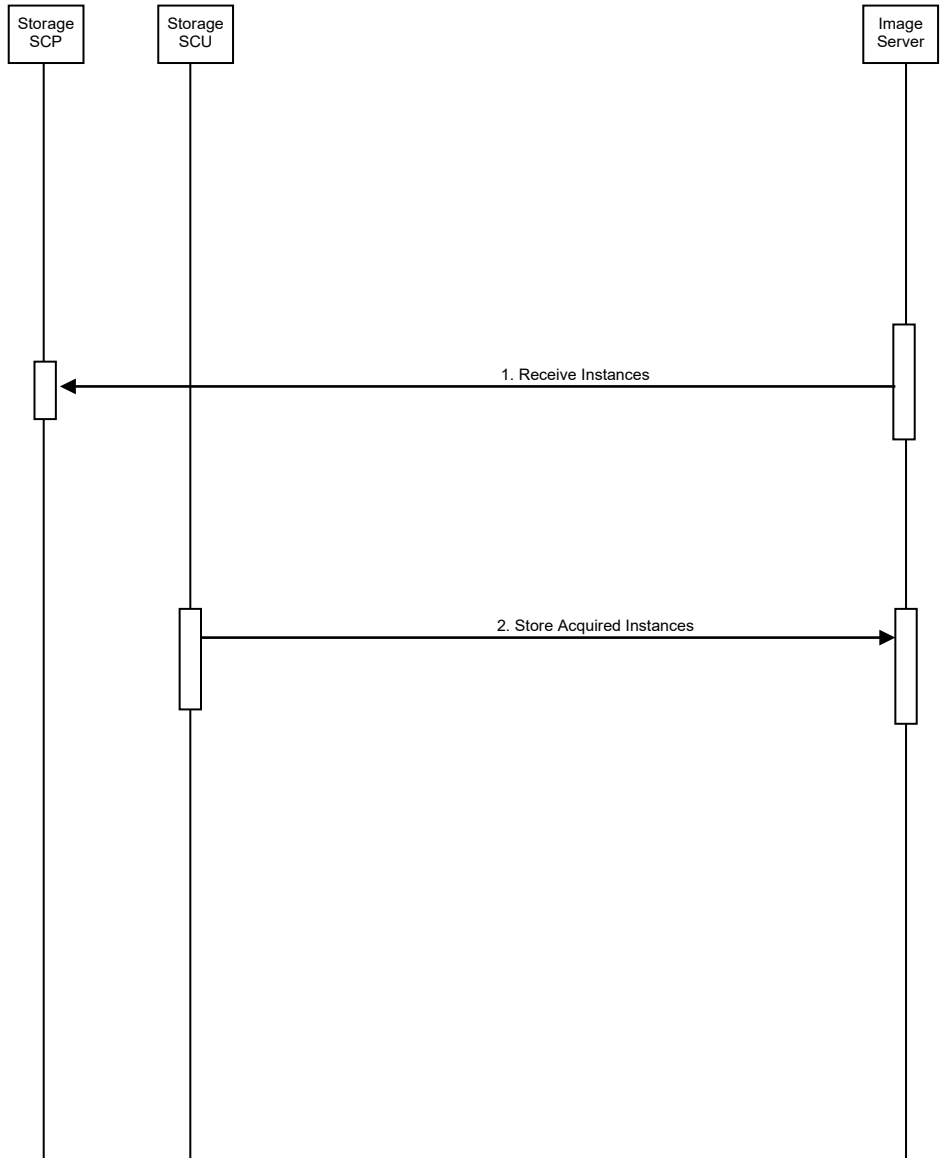


Figure 4.1-2
SEQUENCING CONSTRAINTS

Under typical scheduled workflow conditions the sequencing constraints illustrated in Figure 4.1-2 apply:

1. Receive Instances
2. Store Acquired Instances

4.2 AE SPECIFICATIONS

4.2.1 Verification SCU AE Specification

4.2.1.1 SOP Classes

The Verification SCU AE provides Standard Conformance to the following SOP Classes:

Table 4.2-1
SOP CLASSES FOR THE VERIFICATION SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Verification	1.2.840.10008.1.1	Yes	No

4.2.1.2 Association Policies

4.2.1.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-2
DICOM APPLICATION CONTEXT FOR THE VERIFICATION SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.1.2.2 Number of Associations

The Verification SCU AE initiates one association at a time.

Table 4.2-3
NUMBER OF ASSOCIATIONS INITIATED FOR THE VERIFICATION SCU AE

Maximum number of simultaneous associations	1

4.2.1.2.3 Asynchronous Nature

The Verification SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-4
ASYNCHRONOUS NATURE FOR THE VERIFICATION SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.1.2.4 Implementation Identifying Information

The implementation information for the Verification SCU AE is:

Table 4.2-5
DICOM Implementation Class and Version FOR THE VERIFICATION SCU AE

Implementation Class UID	1.2.392.200036.9116.6.36.1000.1
Implementation Version Name	CM_UL_DCM_V1.0 for Original TM_UL_DCM_V1.0 for Option

4.2.1.3 Association Initiation Policy

4.2.1.3.1 Activity - Verify Connectivity

4.2.1.3.1.1 Description and Sequencing of Activities

The Verification SCU AE attempts to initiate a new association in order to issue a verification request (C-ECHO).

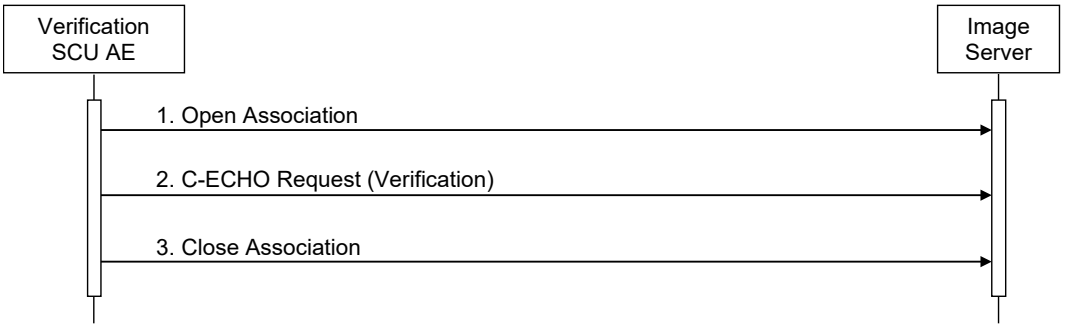


Figure 4.2-1
SEQUENCING OF ACTIVITY - VERIFY CONNECTIVITY

A possible sequence of interactions between the Verification SCU AE and an Image Server (e.g. a storage or archive device supporting the Verification SOP Classes as an SCP) is illustrated in the figure above:

1. The Verification SCU AE opens an association with the Image Server.
2. The Verification SCU AE issues a verification request (C-ECHO) and the Image Server replies with a C-ECHO response (status success).
3. The Verification SCU AE closes the association with the Image Server.

4.2.1.3.1.2 Proposed Presentation Contexts

The Verification SCU AE will propose the Presentation Contexts shown in the following table:

Table 4.2-6
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY VERIFY CONNECTIVITY

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Verification	1.2.840.10008.1.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.1.3.1.3 SOP Specific Conformance for Verification SOP Class

The Verification SCU AE provides standard conformance to the Verification Service Class as an SCU.

The behavior of Verification SCU AE when encountering status codes in a C-ECHO response is summarized in the table below:

Table 4.2-7
VERIFICATION RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The Verification SCU AE judges the remote AE is present and active on the network.

The behavior of Verification SCU AE during communication failure is summarized in the table below:

Table 4.2-8
VERIFICATION COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted and the failure reason is logged and reported to the user.
Association aborted by the SCP or network layers	The failure reason is logged and reported to the user.

4.2.2 Verification SCP AE Specification

4.2.2.1 SOP Classes

The Verification SCP AE provides Standard Conformance to the following SOP Classes:

Table 4.2-9
SOP CLASSES FOR THE VERIFICATION SCP AE

SOP Class Name	SOP Class UID	SCU	SCP
Verification	1.2.840.10008.1.1	No	Yes

4.2.2.2 Association Policies

4.2.2.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-10
DICOM APPLICATION CONTEXT FOR THE VERIFICATION SCP AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.2.2.2 Number of Associations

Table 4.2-11
NUMBER OF ASSOCIATIONS ACCEPTED FOR THE VERIFICATION SCP AE

Maximum number of simultaneous associations	Unlimited

4.2.2.2.3 Asynchronous Nature

The Verification SCP AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-12
ASYNCHRONOUS NATURE FOR THE VERIFICATION SCP AE

Maximum number of outstanding asynchronous transactions	1

4.2.2.2.4 Implementation Identifying Information

The implementation information for the Verification SCP AE is:

Table 4.2-13
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE VERIFICATION SCP AE

Implementation Class UID	1.2.392.200036.9116.6.36.1000.1
Implementation Version Name	CM_UL_DCM_V1.0 for Original TM_UL_DCM_V1.0 for Option

4.2.2.3 Association Initiation Policy

The Verification SCP AE does not initiate associations.

4.2.2.4 Association Acceptance Policy

4.2.2.4.1 Activity - Respond to Verification Request

4.2.2.4.1.1 Description and Sequencing of Activities

When the Verification SCP AE accepts an association, it will respond to a verification request (C-ECHO).

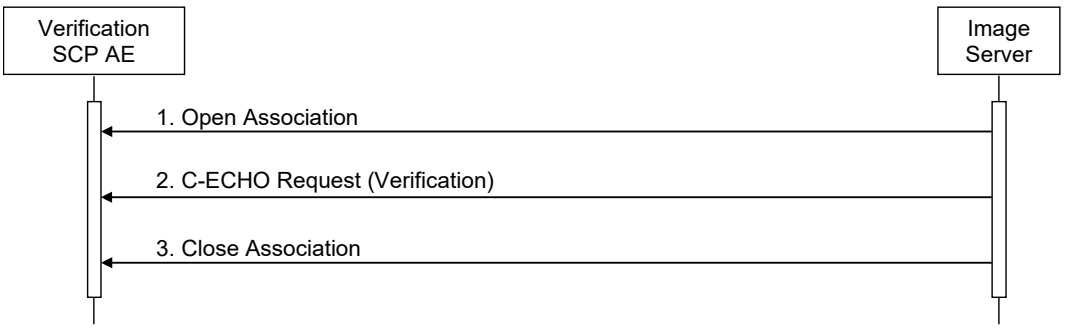


Figure 4.2-2
SEQUENCING OF ACTIVITY - RESPOND TO VERIFICATION REQUEST

A possible sequence of interactions between the Verification SCP AE and an Image Server (e.g. a storage or archive device supporting the Verification SOP Classes as an SCU) is illustrated in the figure above:

1. The Image Server opens an association with the Verification SCP AE.
2. The Image Server issues a verification request (C-ECHO) and the Verification SCP AE replies with a C-ECHO response (status success).
3. The Image Server closes the association with the Verification SCP AE.

The Verification SCP AE may reject association attempts as shown in the table below. The Result, Source and Reason/Diag columns represent the values returned in the appropriate fields of an ASSOCIATE-RJ PDU (see PS 3.8, Section 9.3.4). The contents of the Source column are abbreviated to save space and the meaning of the abbreviations are:

a. 1 - DICOM UL service-user
b. 2 - DICOM UL service-provider (ASCE related function)

Table 4.2-14
ASSOCIATION REJECTION REASONS

Result	Source	Reason/Diag	Explanation
1 - rejected-permanent	a	3 - calling-AE-title-not-recognized	The association request contained an unrecognized calling AE Title. An association request with the same parameters will not succeed at a later time unless configuration changes are made. This rejection reason normally occurs when the association acceptor has not been configured to recognize the AE Title of the association initiator.
1 - rejected-permanent	b	1 - no-reason-given	The association request could not be parsed. An association request with the same format will not succeed at a later time.

4.2.2.4.1.2 Accepted Presentation Contexts

The default behavior of the Verification SCP AE supports the Implicit VR Little Endian and Explicit VR Little Endian transfer syntaxes. If the both transfer syntaxes are proposed per presentation context then the Verification SCP AE will select Explicit VR Little Endian transfer syntax.

Table 4.2-15
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY RESPOND TO VERIFICATION REQUEST

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Verification	1.2.840.10008.1.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCP	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.2.4.1.3 SOP Specific Conformance for Verification SOP Class

The Verification SCP AE provides standard conformance to the Verification Service Class as an SCP.

4.2.3 Storage SCU AE Specification

4.2.3.1 SOP Classes

The Storage SCU AE provides Standard Conformance to the following SOP Classes:

Table 4.2-16
SOP CLASSES FOR THE STORAGE SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Yes	No
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1		
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1		
Enhanced US Volume Storage	1.2.840.10008.5.1.4.1.1.6.2		
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22		
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33		

4.2.3.2 Association Policies

4.2.3.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-17
DICOM APPLICATION CONTEXT FOR THE STORAGE SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.3.2.2 Number of Associations

The Storage SCU AE can initiate up to ten associations at a time for each destination to which a transfer request is being processed in the active job queue list. Up to ten jobs, that instances will be sent to the different remote hosts, will be active at a time, the other remains pending until the active job is completed or failed.

Table 4.2-18
NUMBER OF ASSOCIATIONS INITIATED FOR THE STORAGE SCU AE

Maximum number of simultaneous associations	1

4.2.3.2.3 Asynchronous Nature

The Storage SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-19
ASYNCHRONOUS NATURE FOR THE STORAGE SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.3.2.4 Implementation Identifying Information

The implementation information for the Storage SCU AE is:

Table 4.2-20
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE STORAGE SCU AE

Implementation Class UID	1.2.392.200036.9116.6.36.1000.1
Implementation Version Name	CM_UL_DCM_V1.0 for Original TM_UL_DCM_V1.0 for Option

4.2.3.3 Association Initiation Policy

4.2.3.3.1 Activity - Send Instances

4.2.3.3.1.1 Description and Sequencing of Activities

The Storage SCU AE attempts to initiate a new association in order to issue a storage request (C-STORE). If the job contains multiple instances then multiple C-STORE requests will be issued over the same association. If the instance transfer fails, the Storage SCU AE will retry this send-job automatically.

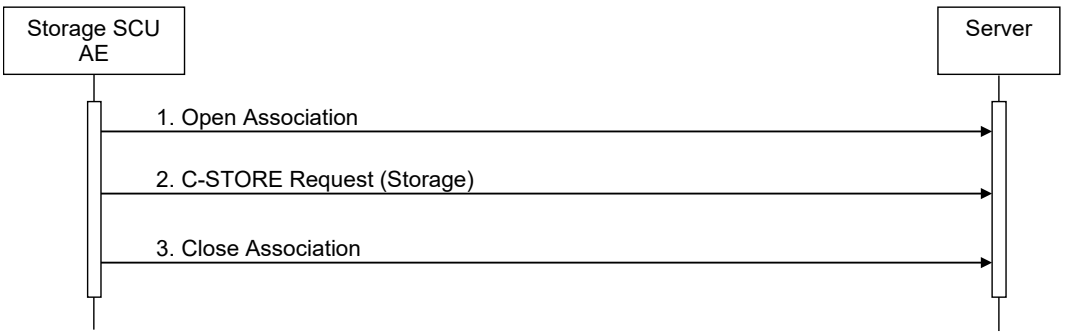


Figure 4.2-3
SEQUENCING OF ACTIVITY - SEND INSTANCES

A possible sequence of interactions between the Storage SCU AE and a Server (e.g. a storage or archive device supporting the Storage SOP Classes as an SCP) is illustrated in the Figure above:

1. The Storage SCU AE opens an association with the Server.
2. Acquired instances are transmitted to the Server using a storage request (C-STORE) and the Server replies with a C-STORE response (status success).
3. The Storage SCU AE closes the association with the Server.

4.2.3.3.1.2 Proposed Presentation Contexts

The Storage SCU AE will propose the Presentation Contexts in the following table that shows one Presentation Context Item per row:

Table 4.2-21
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY SEND INSTANCES

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Lossy*1	1.2.840.10008.1.2.4.50		
		JPEG Lossless*2	1.2.840.10008.1.2.4.70		
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Lossy*1	1.2.840.10008.1.2.4.50		
		JPEG Lossless*2	1.2.840.10008.1.2.4.70		
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Lossy*1	1.2.840.10008.1.2.4.50		
		JPEG Lossless*2	1.2.840.10008.1.2.4.70		
Enhanced US Volume Storage	1.2.840.10008.5.1.4.1.1.6.2	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Lossy*1	1.2.840.10008.1.2.4.50		
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

*1 JPEG Baseline (Process 1)
*2 JPEG Lossless, Non-Hierarchical, First-OrderPrediction (Process 14 [Selection Value 1])

4.2.3.3.1.3 SOP Specific Conformance for Storage SOP Classes

The Storage SCU AE provides standard conformance to the Storage Service Class as an SCU.

The behavior of Storage SCU AE when encountering status codes in a C-STORE response is summarized in the table below:

Table 4.2-22
STORAGE C-STORE RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has successfully stored the SOP Instance. If all SOP Instances in a send job have status success then the job is marked as complete.
*	*	Any other status code	The association is aborted and the send job is marked as failed. The status meaning is logged and the job failure is reported to the user via the job control application.

The behavior of Storage SCU AE during communication failure is summarized in the table below:

Table 4.2-23
STORAGE COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted and the send job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.
Association aborted by the SCP or network layers	The send job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.

If the instance transfer fails, the Storage SCU AE will retry this send-job automatically (see Section 4.4.2).

The contents of Storage SOP Instances created by the Storage SCU AE conform to the IOD definitions and are described in section 8.1.

4.2.4 Storage SCP AE Specification

4.2.4.1 SOP Classes

The Storage SCP AE provides Standard Conformance to the following SOP Classes:

Table 4.2-24
SOP CLASSES FOR THE STORAGE SCP AE

SOP Class Name	SOP Class UID	SCU	SCP
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	No	Yes
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1		
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1		
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22		
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33		

4.2.4.2 Association Policies

4.2.4.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-25
DICOM APPLICATION CONTEXT FOR THE STORAGE SCP AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.4.2.2 Number of Associations

The Storage SCP AE can support up to ten associations at a time.

Table 4.2-26
NUMBER OF ASSOCIATIONS ACCEPTED FOR THE STORAGE SCP AE

Maximum number of simultaneous associations	10

4.2.4.2.3 Asynchronous Nature

The Storage SCP AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-27
ASYNCHRONOUS NATURE FOR THE STORAGE SCP AE

Maximum number of outstanding asynchronous transactions	1

4.2.4.2.4 Implementation Identifying Information

The implementation information for the Storage SCP AE is:

Table 4.2-28
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE STORAGE SCP AE

Implementation Class UID	1.2.392.200036.9116.6.36.1000.1
Implementation Version Name	CM_UL_DCM_V1.0 for Original TM_UL_DCM_V1.0 for Option

4.2.4.3 Association Initiation Policy

The Storage SCP AE does not initiate associations.

4.2.4.4 Association Acceptance Policy

The Storage SCP AE accepts associations only if they have valid Presentation Contexts. If none of the requested Presentation Contexts are accepted then the association request itself is rejected. It can be configured to only accept associations with certain hosts (using TCP/IP address) and/or AE Titles.

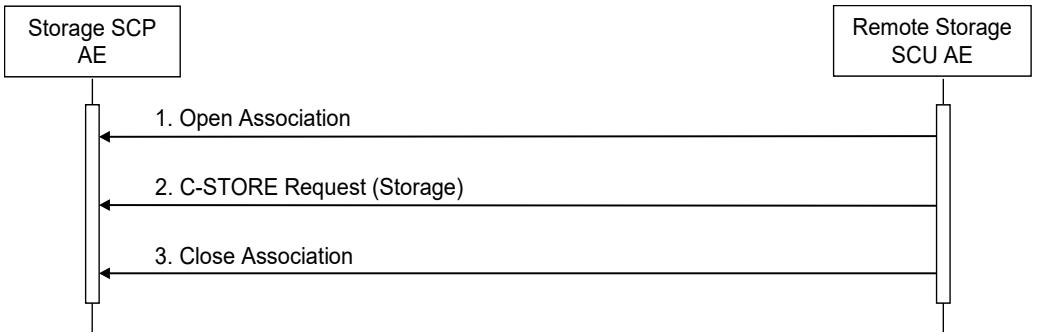


Figure 4.2-4
SEQUENCING OF ACTIVITY - STORE IMAGES TO THE LOCAL FILE SYSTEM

A possible sequence of interactions between the Storage SCP AE and a Remote Storage SCU AE is illustrated in the Figure above:

1. The Remote Storage SCU AE opens an association with the Storage SCP AE.
2. The Remote Storage SCU AE sends images to the Storage SCP AE using a storage request (C-STORE) and the Storage SCP AE replies with a C-STORE response (status success).
3. The Remote Storage SCU AE closes the association with the Storage SCP AE.

The Storage SCP AE may reject association attempts as shown in the Table 4.2-14.

4.2.4.4.1.1 Accepted Presentation Contexts

Storage SCP AE prefers compressed and explicit Transfer Syntaxes. If offered a choice of Transfer Syntaxes in a Presentation Context, it will apply the following priority to the choice of Transfer Syntax:

1. JPEG Lossy
2. JPEG Lossless
3. Explibit VR Little Endian
4. Implicit VR Little Endian

This priority is configurable.

Storage SCP AE will accept duplicate Presentation Contexts, that is, if it is offered multiple Presentation Contexts, each of which offers acceptable Transfer Syntaxes, it will accept all Presentation Contexts, applying the same priority for selecting a Transfer Syntax for each.

Any of the presentation contexts shown in the following table are acceptable to the Storage SCP AE.

Table 4.2-29
ACCEPTED PRESENTATION CONTEXTS BY THE STORAGE SCP AE

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Implicit VR Little Endian	1.2.840.10008.1.2	SCP	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Lossy*1	1.2.840.10008.1.2.4.50		
		JPEG Lossless*2	1.2.840.10008.1.2.4.70		
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Lossy*1	1.2.840.10008.1.2.4.50		
		JPEG Lossless*2	1.2.840.10008.1.2.4.70		
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Lossy*1	1.2.840.10008.1.2.4.50		
		JPEG Lossless*2	1.2.840.10008.1.2.4.70		
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

*1 JPEG Baseline (Process 1)
*2 JPEG Lossless, Non-Hierarchical, First-OrderPrediction (Process 14 [Selection Value 1])

4.2.4.4.1.2 SOP Specific Conformance for Storage SOP Classes

The associated Activity with the Storage service is the storage of medical data received over the network on a designated hard disk. The Storage SCP AE will return a failure status if it is unable to store the instances on to the hard disk.

The Storage SCP AE is Level 0 conformant as a Storage SCP.

Table 4.2-30
THE STORAGE SCP AE C-STORE RESPONSE STATUS RETURN REASONS

Service Status	Further Meaning	Status Code	Reason
Success	Success	0000	The Composite SOP Instance was successfully received, verified, and stored in the system database.
Refused	Out of Resources	A7xx	Indicates that there were not enough local resources.
Error	Data Set does not match SOP Class	A9xx	Indicates that the Data Set does not encode a valid instance of the SOP Class specified.
	Processing Failed	B006	Indicates that some elements discarded.
	Processing failed	B007	Indicates that the Data Set does not match a supported SOP Class.
	Cannot understand	C0xx	Indicates that the Storage SCP AE cannot parse the Data Set into Elements.

4.3 NETWORK INTERFACES

4.3.1 Physical Network Interface

This product supports wired and wireless network interfaces according to the specification of the installed PC.

4.3.2 Additional Protocols

DNS can be used for address resolution.

NTP can be used to synchronize the system clock with a time server.

Notes: DHCP can not be used to obtain TCP/IP network configuration information (e.g., own IP address, subnet mask, default gateway, DNS server, etc).

4.3.3 IPv4 and IPv6 Support

This product only supports IPv4 connections.

4.4 CONFIGURATION

4.4.1 AE Title/Presentation Address Mapping

4.4.1.1 Local AE Titles

All local applications use the AE Titles and TCP/IP Ports configured via the service tool.

Table 4.4-1
AE TITLE CONFIGURATION TABLE

Application Entity	Default AE Title	Default TCP/IP Port
Verification SCU	UNX_LOCAL_SCU	Not Applicable
Storage SCU		
Storage SCP	UNX_LOCAL_SCP	104
Verification SCP		

The default character repertoire excluding the highlighted characters can be used for the AE Titles:

Table 4.4-2
AE TITLE CHARACTER REPERTOIRE

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0x00											LF		FF	CR		
0x10												ESC				
0x20	SP	!	"	#	$	%	&	'	(	)	*	+	,	-	.	/
0x30	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
0x40	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
0x50	P	Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_
0x60	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
0x70	p	q	r	s	t	u	v	w	x	y	z	{	|	}	~	

4.4.1.2 Remote AE Title/Presentation Address Mapping

The AE Titles, host names and port numbers of remote applications are configured using the service tool. The character repertoire of the AE Titles is listed in Table 4.4-2.

4.4.2 Parameters

A large number of parameters related to acquisition and general operation can be configured using the service tool. The table below only shows those configuration parameters relevant to DICOM communication. See the Product's Service Manual for details on general configuration capabilities.

Table 4.4-3
CONFIGURATION PARAMETERS TABLE

Parameter	Configurable (Yes/No) [Range]	Default Value
General Parameters		
Maximum PDU send/receive size	Yes [2048-1048576]	32768 bytes
Time-out waiting for an acceptance or rejection response to an association request (Application Level Timeout)	Yes [1-9999999]	30 sec
Time-out waiting for a response to an association release request (Application Level Timeout)	Yes [1-9999999]	30 sec
Time-out waiting for completion of a TCP/IP connect request (Low-level timeout)	Yes [1-9999999]	30 sec
Time-out awaiting a response to a DIMSE request (Low-Level Timeout)	Yes [1-9999999]	30 sec
Time-out for waiting for data between TCP/IP-packets (Low Level Timeout)	Yes [1-9999999]	30 sec
Storage SCU Parameters		
Maximum number of simultaneously initiated associations by the Storage SCU AE	No	10
Number of times a failed send job may be retried	No	Forever, until the job succeeds or user cancels it.
Storage SCP Parameters		
Maximum number of simultaneously initiated associations by the Storage SCP AE	No	10

5. MEDIA INTERCHANGE

5.1 IMPLEMENTATION MODEL

5.1.1 Application Data Flow

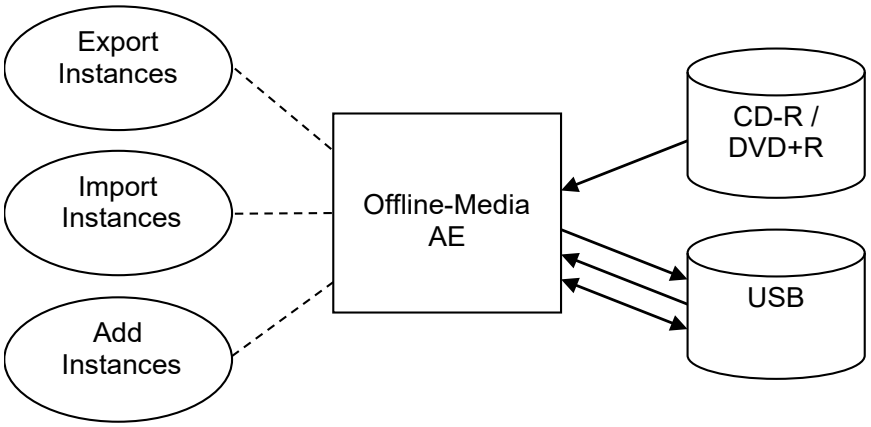


Figure 5.1-1
APPLICATION DATA FLOW DIAGRAM FOR MEDIA STORAGE

— The Offline-Media AE exports instances to a USB Storage medium. It is associated with the local real-world activity "Export Instances" performed upon user request.
— The Offline-Media AE imports instances from a CD-R, DVD+R or USB Storage medium. It is associated with the local real-world activity "Import Instances" performed upon user request.
— The Offline-Media AE updates instances from a USB Storage medium. It is associated with the local real-world activity "Add Instances" performed upon user request.

5.1.2 Functional Definition of AEs

5.1.2.1 Functional Definition of Offline-Media AE

The Offline-Media AE is performed upon user request for selected instances to/from an offline DICOM CD-R, DVD+R or USB medium. It therefore performs the following tasks:

Export:

— Builds DICOM Information Objects.
— Creates a DICOMDIR file that represents the contents of the DICOM Information Objects to be recorded.
— Records DICOM Information Objects and the DICOMDIR file to a USB medium.

Import:

— Reads the DICOMDIR file that represents the contents of the data as recorded.
— Displays the ordered list of instances, identifying information.
— Loads the selected instances from the CD-R, DVD+R or USB medium and displays them on the screen.

Addition:

— Reads a File-set of the USB medium and writes it to the local storage device.
— Adds the instances to the File-set, then writes it to the medium.
— Modifies the DICOMDIR file.

Note: The Offline-Media AE can update files created by the product itself.

5.1.3 Sequencing of Real-World Activities

5.1.3.1 Activity - Export Instances

Operator requests to create new File-set(s) onto a new USB medium. The requests are placed in a queue and are executed in the background.

The operations for "Export Instances" are described below:

Step-1: Select the instances on the local storage device to be created to the medium.
Step-2: Request to copy to the medium.

5.1.3.2 Activity - Import Instances

Operator requests to retrieve File-set(s) on the CD-R, DVD+R or USB medium. The requests are placed in a queue and are executed in the background.

The operations for "Import Instances" are described below:

Step-1: Select the instances on the medium to be retrieved to the local storage device.
Step-2: Request to copy to the local storage device.

5.1.3.3 Activity - Add Instances

Operator requests to add new objects to an already existing File-set on the USB medium. The requests are placed in a queue and are executed in the background.

The operations for "Add Instances" are described below:

Step-1: Select the instances on the local storage device to be added to the medium.
Step-2: Request to copy to the medium.

5.1.4 File Meta Information for Implementation Class and Version

The implementation information written to the File Meta Header in each file is:

Table 5.1-1
DICOM IMPLEMENTATION CLASS AND VERSION FOR MEDIA STORAGE

File Meta Information Version	1
Implementation Class UID	1.2.392.200036.9116.6.36.1000.1
Implementation Version Name	CM_UL_DCM_V1.0

5.2 AE SPECIFICATIONS

5.2.1 Offline-Media AE Specification

The Offline-Media AE provides standard conformance to the DICOM Interchange Option of the Media Storage Service Class. The Application Profiles and roles are listed below:

Table 5.2-1
APPLICATION PROFILES, ACTIVITIES AND ROLES FOR OFFLINE-MEDIA

Application Profiles Supported	Real World Activity	Role	SC Option
STD-GEN-USB-JPEG	Export Instances	FSC	Interchange
AUG-GEN-CD, STD-GEN-DVD-JPEG, STD-GEN-USB-JPEG	Import Instances	FSR	Interchange
STD-GEN-USB-JPEG	Add Instances	FSU	Interchange

5.2.1.1 File Meta Information for the Application Entity

The Source Application Entity Title is the local AE title of Storage SCP.

5.2.1.2 Real-World Activities

5.2.1.2.1 Activity - Export Instances

The Offline-Media AE acts as an FSC using the interchange option when requested to export SOP Instances from the local database to a USB medium.

5.2.1.2.1.1 Media Storage Application Profiles

The Offline-Media AE supports the AUG-GEN-CD, STD-GEN-DVD-JPEG and STD-GEN-USB-JPEG Application Profiles.

5.2.1.2.1.1.1 Options

The Offline-Media AE supports the SOP Classes and Transfer Syntaxes listed in Table 5.2-2.

Table 5.2-2
IODs, SOP Classes and Transfer Syntaxes for Export Instances and Add Instances

Information Object Definition	SOP Class UID	Transfer Syntax	Transfer Syntax UID
DICOM Media Storage Directory	1.2.840.10008.1.3.10	Explicit VR Little Endian	1.2.840.10008.1.2.1
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Lossy*1	1.2.840.10008.1.2.4.50
		JPEG Lossless*2	1.2.840.10008.1.2.4.70
		RLE Lossless	1.2.840.10008.1.2.5
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Lossy*1	1.2.840.10008.1.2.4.50
		JPEG Lossless*2	1.2.840.10008.1.2.4.70
		RLE Lossless	1.2.840.10008.1.2.5
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Lossy*1	1.2.840.10008.1.2.4.50
		JPEG Lossless*2	1.2.840.10008.1.2.4.70
		RLE Lossless	1.2.840.10008.1.2.5

Enhanced US Volume	1.2.840.10008.5.1.4.1.1.6.2	Explicit VR Little Endian	1.2.840.10008.1.2.1
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22	Explicit VR Little Endian	1.2.840.10008.1.2.1
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33	Explicit VR Little Endian	1.2.840.10008.1.2.1

*1 JPEG Baseline (Process 1)
*2 JPEG Lossless, Non-Hierarchical, First-OrderPrediction (Process 14 [Selection Value 1])

5.2.1.2.2 Activity - Import Instances

The Offline-Media AE acts as an FSR using the interchange option when requested to import SOP Instances from a CD-R, DVD+R or USB medium to the local database.

5.2.1.2.2.1 Media Storage Application Profiles

The Offline-Media AE supports the AUG-GEN-CD, STD-GEN-DVD-JPEG and STD-GEN-USB-JPEG Application Profiles.

5.2.1.2.2.1.1 Options

The Offline-Media AE supports the SOP Classes and Transfer Syntaxes listed in in Table 5.2-3.

Table 5.2-3
IODs, SOP Classes and Transfer Syntaxes for Import Instances

Information Object Definition	SOP Class UID	Transfer Syntax	Transfer Syntax UID
DICOM Media Storage Directory	1.2.840.10008.1.3.10	Explicit VR Little Endian	1.2.840.10008.1.2.1
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Lossy*1	1.2.840.10008.1.2.4.50
		JPEG Lossless*2	1.2.840.10008.1.2.4.70
		RLE Lossless	1.2.840.10008.1.2.5
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Lossy*1	1.2.840.10008.1.2.4.50
		JPEG Lossless*2	1.2.840.10008.1.2.4.70
		RLE Lossless	1.2.840.10008.1.2.5
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Lossy*1	1.2.840.10008.1.2.4.50
		JPEG Lossless*2	1.2.840.10008.1.2.4.70
		RLE Lossless	1.2.840.10008.1.2.5
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22	Explicit VR Little Endian	1.2.840.10008.1.2.1
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33	Explicit VR Little Endian	1.2.840.10008.1.2.1

*1 JPEG Baseline (Process 1)
*2 JPEG Lossless, Non-Hierarchical, First-OrderPrediction (Process 14 [Selection Value 1])

5.2.1.2.3 Activity - Add Instances

The Offline-Media AE acts as an FSU using the interchange option when requested to add SOP Instances from the local database to a USB medium.

5.2.1.2.3.1 Media Storage Application Profiles

The Offline-Media AE supports the STD-GEN-USB-JPEG Application Profiles.

5.2.1.2.3.1.1 Options

The Offline-Media AE supports the SOP Classes and Transfer Syntaxes listed in Table 5.2-2.

5.3 AUGMENTED AND PRIVATE APPLICATION PROFILES

5.3.1 Augmented Application Profiles

5.3.1.1 Augmented Application Profiles - AUG-GEN-CD

5.3.1.1.1 SOP Class Augmentations

IODs, SOP Classes and Transfer Syntaxes listed in Table 5.2-2 and Table 5.2-3.

5.3.1.1.2 Directory Augmentations

Not applicable.

5.3.1.1.3 Other Augmentations

Not applicable.

5.3.2 Private Application Profiles

Not applicable.

5.4 MEDIA CONFIGURATION

Not applicable.

6. SUPPORT OF CHARACTER SETS

This product supports the following character sets:

- ISO-IR 6 (default)	ISO 646
- ISO-IR 100 (Latin alphabet No.1)	Supplementary set of ISO 8859
- ISO-IR 87 (Japanese)	JIS X 0208 (Kanji)

Notes: If the Storage SCP AE receives instances that contain characters from unsupported character sets, it will respond with "Cannot Understand" to the C-STORE request.

If the MWM SCU AE receives worklist items that contain characters from unsupported character sets, it may abort the association using A-ABORT.

This product doesn't support ISO-IR 13 (Kana).

7. SECURITY

7.1 Introduction

This product does not support any specific security measures.

It is assumed that the product is used within a secured environment. It is assumed that a secured environment includes at a minimum:

a. Firewall or router protections to ensure that only approved external hosts have network access to the product.

b. Firewall or router protections to ensure that the product only has network access to approved external hosts and services.

c. Any communication with external hosts and services outside the locally secured environment use appropriate secure network channels (e.g. such as a Virtual Private Network (VPN))

Other network security procedures such as automated intrusion detection may be appropriate in some environments. Additional security features may be established by the local security policy and are beyond the scope of this conformance statement.

7.2 DICOM Security Profile Availability

7.2.1 Secure Use and User Identity Profiles

This product supports the following requirements for the security auditing and audit trail in conformance with Audit Trail Message Format Profile. At the default configuration, the audit trail is stored in the product local store.

Table 7.2-1: Secure Use and User Identity Profiles

Profile	Creator/Sender	Consumer/Receiver	Reference
Audit Trail Message Format	Y	N	8.8.1

7.2.2 Secure Transport Connection Profiles

Not applicable to this product.

7.2.3 Media Storage Security Profiles

Not applicable to this product.

7.2.4 Attribute Confidentiality Profiles

Table 7.2-2: Attribute Confidentiality Profiles

Profile	Option	De-identifier	Re-identifier	Configurable
Basic Application Level Confidentiality		Y	N	N
	Retain Device Identity	Y	N	N
	Retain Institution Identity	Y	N	N

7.3 Application Level Security

This product does not work Storage SCP without the application being started.

8. ANNEXES

8.1 IOD CONTENTS

8.1.1 Created SOP Instances

Table 8.1-1 specifies the attributes of a Secondary Capture Image transmitted by the Storage SCU AE.

Table 8.1-2 specifies the attributes of an Ultrasound Image transmitted by the Storage SCU AE.

Table 8.1-3 specifies the attributes of an Ultrasound Multi-frame Image transmitted by the Storage SCU AE.

Table 8.1-5 specifies the attributes of an Enhanced SR transmitted by the Storage SCU AE.

Table 8.1-6 specifies the attributes of a Comprehensive SR transmitted by the Storage SCU AE.

The following tables use a number of abbreviations. The abbreviations used in the "Presence of …" column are:

VNAP	Value Not Always Present (attribute sent zero length if no value is present)
ANAP	Attribute Not Always Present
ALWAYS	Always Present
EMPTY	Attribute is sent without a value
Not Present	All attributes in this module are not present

The abbreviations used in the "Source" column:

USER	the attribute value source is from user input
AUTO	the attribute value is generated automatically
CONFIG	the attribute value source is a configurable parameter

8.1.1.1 SC Image IOD

Table 8.1-1
IOD OF CREATED SC IMAGE SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-7	ALWAYS
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-8	ALWAYS
	Patient Study	Table 8.1-9	ALWAYS
	Clinical Trial Study	--	Not Present
Series	General Series	Table 8.1-10	ALWAYS
	Clinical Trial Series	--	Not Present
Equipment	General Equipment	Table 8.1-13	ALWAYS
	SC Equipment	Table 8.1-20	ALWAYS
Image	General Image	Table 8.1-14	ALWAYS
	Image Pixel	Table 8.1-15	ALWAYS
	SC Image	N.A.	All attributes are optional and are not present
	Overlay Plane	--	Not Present
	Modality LUT	--	Not Present
	VOI LUT	Table 8.1-17	Only if Photometric Interpretation (0028,0004) is MONOCHROME2
	SOP Common	Table 8.1-18	ALWAYS
	Private Application	Table 8.1-19	ALWAYS

8.1.1.2 US Image IOD

Table 8.1-2
IOD OF CREATED US IMAGE SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-7	ALWAYS
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-8	ALWAYS
	Patient Study	Table 8.1-9	ALWAYS
	Clinical Trial Study	--	Not Present
Series	General Series	Table 8.1-10	ALWAYS
	Clinical Trial Series	--	Not Present
Frame of Reference	Frame of Reference	--	Not Present
	Synchronization	--	Not Present
Equipment	General Equipment	Table 8.1-13	ALWAYS
Image	General Image	Table 8.1-14	ALWAYS
	Image Pixel	Table 8.1-15	ALWAYS
	Contrast/bolus	--	Not Present
	Palette Color Lookup Table	--	Not Present
	US Region Calibration	Table 8.1-16	ALWAYS
	US Image	Table 8.1-21	ALWAYS
	Overlay Plane	--	Not Present
	VOI LUT	Table 8.1-17	Only if Photometric Interpretation (0028,0004) is MONOCHROME2
	SOP Common	Table 8.1-18	ALWAYS
	Private Application	Table 8.1-19	ALWAYS

8.1.1.3 US Multi-frame Image IOD

Table 8.1-3
IOD OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-7	ALWAYS
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-8	ALWAYS
	Patient Study	Table 8.1-9	ALWAYS
	Clinical Trial Study	--	Not Present
Series	General Series	Table 8.1-10	ALWAYS
	Clinical Trial Series	--	Not Present
Frame of Reference	Frame of Reference	--	Not Present
	Synchronization	--	Not Present
Equipment	General Equipment	Table 8.1-13	ALWAYS
Image	General Image	Table 8.1-14	ALWAYS
	Image Pixel	Table 8.1-15	ALWAYS
	Contrast/bolus	--	Not Present
	Cine	Table 8.1-22	ALWAYS
	Multi-frame	Table 8.1-23	ALWAYS
	Frame Pointers	--	Not Present
	Palette Color Lookup Table	--	Not Present
	US Region Calibration	Table 8.1-16	ALWAYS
	US Image	Table 8.1-24	ALWAYS
	VOI LUT	Table 8.1-17	Only if Photometric Interpretation (0028,0004) is MONOCHROME2
	SOP Common	Table 8.1-18	ALWAYS
	Private Application	Table 8.1-19	ALWAYS

8.1.1.4 Enhanced US Volume IOD

Table 8.1-4
IOD OF CREATED ENHANCED US VOLUME SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-7	ALWAYS
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-8	ALWAYS
	Patient Study	Table 8.1-9	ALWAYS
	Clinical Trial Study	--	Not Present
Series	General Series	Table 8.1-10	ALWAYS
	Enhanced US Series	Table 8.1-25	ALWAYS
	Clinical Trial Series	--	Not Present
Frame of Reference	Frame of Reference	Table 8.1-11	ALWAYS
	Ultrasound Frame of Reference	Table 8.1-12	ALWAYS
	Synchronization	--	Not Present
Equipment	General Equipment	Table 8.1-13	ALWAYS
	Enhanced General Equipment	Table 8.1-26	ALWAYS
Image	General Image	Table 8.1-14	ALWAYS
	Image Pixel	Table 8.1-15	ALWAYS
	Enhanced Contrast/Bolus	--	Not Present
	Multi-frame Functional Groups	--	Not Present
	Multi-frame Dimension	--	Not Present
	Cardiac Synchronization	Table 8.1-27	ALWAYS
	Respiratory Synchronization	--	Not Present
	Device	--	Not Present
	Acquisition Context	--	Not Present
	Specimen	--	Not Present
	Enhanced Palette Color Lookup Table	--	Not Present
	Enhanced US Image	Table 8.1-28	ALWAYS
	IVUS Image	--	Not Present
	Excluded Intervals	--	Not Present
	ICC Profile	--	Not Present
	SOP Common	Table 8.1-18	ALWAYS
	Common Instance Reference	--	Not Present
	Frame Extraction	--	Not Present
	Private Application	Table 8.1-19	ALWAYS

8.1.1.5 Enhanced SR IOD

Table 8.1-5
IOD OF CREATED ENHANCED SR SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-7	ALWAYS
	Specimen Identification	--	Not Present
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-8	ALWAYS
	Patient Study	Table 8.1-9	ALWAYS
	Clinical Trial Study	--	Not Present
Series	SR Document Series	Table 8.1-29	ALWAYS
	Clinical Trial Series	--	Not Present
Equipment	General Equipment	Table 8.1-13	ALWAYS
Document	SR Document General	Table 8.1-30	ALWAYS
	SR Document Content	Application measurements: Table 8.1-31 and Table 8.1-56	ALWAYS
	SOP Common	Table 8.1-18	ALWAYS
	Private Application	Table 8.1-19	ALWAYS

8.1.1.6 Comprehensive SR IOD

Table 8.1-6
IOD OF CREATED COMPREHENSIVE SR SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-7	ALWAYS
	Specimen Identification	--	Not Present
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-8	ALWAYS
	Patient Study	Table 8.1-9	ALWAYS
	Clinical Trial Study	--	Not Present
Series	SR Document Series	Table 8.1-29	ALWAYS
	Clinical Trial Series	--	Not Present
Frame of Reference	Frame of Reference	--	Not Present
	Synchronization	--	Not Present
Equipment	General Equipment	Table 8.1-13	ALWAYS
Document	SR Document General	Table 8.1-30	ALWAYS
	SR Document Content	Application measurements: Table 8.1-31 and Table 8.1-56	ALWAYS
	SOP Common	Table 8.1-18	ALWAYS
	Private Application	Table 8.1-19	ALWAYS

8.1.1.7 Common Modules

Table 8.1-7
PATIENT MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Patient's Name	(0010,0010)	PN		VNAP	AUTO
Patient ID	(0010,0020)	LO		ALWAYS	AUTO
Patient's Birth Date	(0010,0030)	DA		VNAP	AUTO
Patient's Sex	(0010,0040)	CS		VNAP	AUTO
Ethnic Group	(0010,2160)	SH		VNAP	AUTO
Patient Comments	(0010,4000)	LT	Values supplied via Modality Worklist will be entered at [Patient Comment]. [Insurance] and [Patient Comment] will be edited in the following format: <"Insurance="Health Insurance Information<LINEFEED>Comment>.	ALWAYS	AUTO
Patient Identity Removed	(0012,0062)	CS	Yes or NO	ALWAYS	USER
De-identification Method	(0012,0063)	CS	Expert Determination	ANAP	USER

Table 8.1-8
GENERAL STUDY MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Study Instance UID	(0020,000D)	UI		ALWAYS	AUTO
Study Date	(0008,0020)	DA		ALWAYS	AUTO
Study Time	(0008,0030)	TM		ALWAYS	AUTO
Referring Physician's Name	(0008,0090)	PN		VNAP	AUTO
Study ID	(0020,0010)	SH		ALWAYS	AUTO
Accession Number	(0008,0050)	SH		VNAP	AUTO
Study Description	(0008,1030)	LO		VNAP	AUTO
Physician(s) Of Record	(0008,1048)	PN		VNAP	AUTO
Name Of Physician(s) Reading Study	(0008,1060)	PN		VNAP	AUTO
Scheduled Study Start Date	(0032,1000)	DA		ANAP	AUTO
Scheduled Study Start Time	(0032,1001)	TM		ANAP	AUTO
Referenced Study Sequence	(0008,1110)	SQ		ANAP	AUTO
>Referenced SOP Class UID	(0008,1150)	UI		ALWAYS	AUTO
>Referenced SOP Instance UID	(0008,1155)	UI		ALWAYS	AUTO
Procedure Code Sequence	(0008,1032)	SQ		ANAP	AUTO
>Code Value	(0008,0100)	SH		ANAP	AUTO

>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>Coding Scheme Version	(0008,0103)	SH		ANAP	AUTO
>Code Meaning	(0008,0104)	LO		ANAP	AUTO

Table 8.1-9
PATIENT STUDY MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Patient's Age	(0010,1010)	AS		VNAP	AUTO
Patient's Size	(0010,1020)	DS		VNAP	AUTO
Patient's Weight	(0010,1030)	DS		VNAP	AUTO

Table 8.1-10
GENERAL SERIES MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Modality	(0008,0060)	CS	US	ALWAYS	AUTO
Series Instance UID	(0020,000E)	UI		ALWAYS	AUTO
Series Number	(0020,0011)	IS		ALWAYS	AUTO
Series Date	(0008,0021)	DA		ALWAYS	AUTO
Series Time	(0008,0031)	TM		ALWAYS	AUTO
Performing Physician's Name	(0008,1050)	PN		VNAP	AUTO
Protocol Name	(0018,1030)	LO	Abdomen, Carotid, Thyroid, Breast, OB, GYN, Endo-Vaginal, Fetal Heart, Adult Heart, Pediatric Heart, Coronary, TCD, Neo-Head, Neo-General, Neo-Hip, PV Venous, PV Arterial, Digits, MSK, Prostate, Kidney, Testes, OTHER or M-TEE	ALWAYS	AUTO
Series Description	(0008,103E)	LO	Blood Pressure from user input will be edited in the following format: <"BloodPressure="Blood Pressure Information>.	VNAP	AUTO
Operators' Name	(0008,1070)	PN		VNAP	AUTO
Referenced Performed Procedure Step Sequence	(0008,1111)	SQ		ALWAYS	AUTO
>Referenced SOP Class UID	(0008,1150)	UI		ALWAYS	AUTO
>Referenced SOP Instance UID	(0008,1155)	UI		ALWAYS	AUTO
Body Part Examined	(0018,0015)	CS		EMPTY	AUTO
Request Attributes Sequence	(0040,0275)	SQ		ANAP	AUTO

>Requested Procedure ID	(0040,1001)	SH		ANAP	AUTO
>Requested Procedure Description	(0032,1060)	LO		ANAP	AUTO
>Reason for the Scheduled Procedure	(0040,1002)	LO		EMPTY	AUTO
>Scheduled Procedure Step ID	(0040,0009)	SH		ANAP	AUTO
>Scheduled Procedure Step Description	(0040,0007)	LO		ANAP	AUTO
>Scheduled Protocol Code Sequence	(0040,0008)	SQ		ANAP	AUTO
>>Code Value	(0008,0100)	SH		ANAP	AUTO
>>Code Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>Code Scheme Version	(0008,0103)	SH		ANAP	AUTO
>>Code Meaning	(0008,0104)	LO		ANAP	AUTO
Performed Procedure Step ID	(0040,0253)	SH		ANAP	AUTO
Performed Procedure Step Start Date	(0040,0244)	DA		ANAP	AUTO
Performed Procedure Step Start Time	(0040,0245)	TM		ANAP	AUTO
Performed Procedure Step Description	(0040,0254)	LO		ANAP	AUTO
Performed Protocol Code Sequence	(0040,0260)	SQ		ANAP	AUTO
>Code Value	(0008,0100)	SH		ANAP	AUTO
>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>Coding Scheme Version	(0008,0103)	SH		ANAP	AUTO
>Code Meaning	(0008,0104)	LO		ANAP	AUTO

Table 8.1-11
FRAME OF REFERENCE OF MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Volume Frame of Reference UID	(0020,0052)	UI		ALWAYS	AUTO

Table 8.1-12
ULTRASOUND FRAME OF REFERENCE MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Volume Frame of Reference UID	(0020,9312)	UI		ALWAYS	AUTO

Ultrasound Acquisition Geometry	(0020,9307)	CS		ALWAYS	AUTO
Apex Position	(0020,9308)	FD		ALWAYS	AUTO
Volume to Transducer Mapping Matrix	(0020,9309)	FD		ALWAYS	AUTO
Patient Frame of Reference Source	(0020,930C)	CS	ESTIMATED	ALWAYS	AUTO
Volume to Table Mapping Matrix	(0020,930A)	FD		ALWAYS	AUTO

Table 8.1-13
GENERAL EQUIPMENT MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Manufacturer	(0008,0070)	LO	Follow the settings of the original image. CANON_MEC for CUS-AA550/450/000 CUW-U001S TOSHIBA_MEC_US for TUS-AI900/800/700	ALWAYS	AUTO
Institution Name	(0008,0080)	LO	Maximum 30 characters.	ALWAYS	CONFIG
Institution Address	(0008,0081)	ST		ALWAYS	CONFIG
Station Name	(0008,1010)	SH		ALWAYS	CONFIG
Institutional Department Name	(0008,1040)	LO		ALWAYS	CONFIG
Manufacturer's Model Name	(0008,1090)	LO	Related original image. Example: CUW-U001S TUS-AI900 CUS-AA550	ALWAYS	AUTO
Device Serial Number	(0018,1000)	LO		ALWAYS	AUTO
Software Version	(0018,1020)	LO	Related original image. Example: V2.0 SPxxxx* for System Version V2.0 of CUW-U001S V7.0 SPxxxx* for System Version V7.0 of TUS-AI900/800/700 V7.0 SPxxxx* for System Version V5.0 of CUS-AA550/450/000	ALWAYS	AUTO

Table 8.1-14
GENERAL IMAGE MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Instance Number	(0020,0013)	IS		ALWAYS	AUTO
Patient Orientation	(0020,0020)	CS		EMPTY	AUTO
Content Date	(0008,0023)	DA		ALWAYS	AUTO
Content Time	(0008,0033)	TM		ALWAYS	AUTO
Image Type	(0008,0008)	CS	Value 1: Pixel Data Characteristics "ORIGINAL" or "DERIVED" Value 2: Patient Examination Characteristics "PRIMARY" or "SECONDARY" Value 3: System Defined Term Value 4: Image Mode	ANAP	AUTO
Acquisition Date	(0008,0022)	DA		ALWAYS	AUTO
Acquisition Time	(0008,0032)	TM		ALWAYS	AUTO
Derivation Description	(0008,2111)	ST		ANAP	AUTO
Image Comments	(0020,4000)	LT		ANAP	USER
Burned In Annotation	(0028,0301)	CS	YES or NO	ANAP	AUTO
Lossy Image Compression	(0028,2110)	CS	00 or 01	ALWAYS	AUTO
Lossy Image Compression Ratio	(0028,2112)	DS		ANAP	AUTO

Table 8.1-15
IMAGE PIXEL MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Samples per Pixel	(0028,0002)	US	1 or 3	ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS	RGB, MONOCHROME2 or YBR_FULL_422	ALWAYS	CONFIG
Planar Configuration	(0028,0006)	US	0 or 1	ANAP	AUTO
Rows	(0028,0010)	US	[Rows], [Columns] Related original image. Example: 960, 1280	ALWAYS	AUTO
Columns	(0028,0011)	US		ALWAYS	AUTO
Bits Allocated	(0028,0100)	US	8	ALWAYS	AUTO
Bits Stored	(0028,0101)	US	8	ALWAYS	AUTO
High Bit	(0028,0102)	US	7	ALWAYS	AUTO
Pixel Representation	(0028,0103)	US	0	ALWAYS	AUTO
Pixel Data	(7FE0,0010)	OB or OW		ALWAYS	AUTO

Table 8.1-16
US REGION CALIBRATION MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Sequence of Ultrasound Regions	(0018,6011)	SQ		ANAP	AUTO
>Region Spatial Format	(0018,6012)	US		ALWAYS	AUTO
>Region Data Type	(0018,6014)	US		ALWAYS	AUTO
>Region Flags	(0018,6016)	UL		ALWAYS	AUTO
>Region Location Min x0	(0018,6018)	UL		ALWAYS	AUTO
>Region Location Min y0	(0018,601A)	UL		ALWAYS	AUTO
>Region Location Max x1	(0018,601C)	UL		ALWAYS	AUTO
>Region Location Max y1	(0018,601E)	UL		ALWAYS	AUTO
>Reference Pixel x0	(0018,6020)	SL		ALWAYS	AUTO
>Reference Pixel y0	(0018,6022)	SL		ALWAYS	AUTO
>Physical Units X Direction	(0018,6024)	US		ALWAYS	AUTO
>Physical Units Y Direction	(0018,6026)	US		ALWAYS	AUTO
>Reference Pixel Physical Value X	(0018,6028)	FD		ALWAYS	AUTO
>Reference Pixel Physical Value Y	(0018,602A)	FD		ALWAYS	AUTO
>Physical Delta X	(0018,602C)	FD		ALWAYS	AUTO
>Physical Delta Y	(0018,602E)	FD		ALWAYS	AUTO
>Transducer Frequency	(0018,6030)	UL		ALWAYS	AUTO
>Pulse Repetition Frequency	(0018,6032)	UL		ANAP	AUTO
>Doppler Correction Angle	(0018,6034)	FD		ANAP	AUTO
>Steering Angle	(0018,6036)	FD		ANAP	AUTO
>Doppler Sample Volume X Position	(0018,6039)	SL		ANAP	AUTO
>Doppler Sample Volume Y Position	(0018,603B)	SL		ANAP	AUTO
>TM-Line Position x0	(0018,603D)	SL		ANAP	AUTO
>TM-Line Position y0	(0018,603F)	SL		ANAP	AUTO
>TM-Line Position x1	(0018,6041)	SL		ANAP	AUTO
>TM-Line Position y1	(0018,6043)	SL		ANAP	AUTO

Table 8.1-17
VOI LUT MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Window Center	(0028,1050)	DS	128.00	ANAP	AUTO
Window Width	(0028,1051)	DS	256.00	ANAP	AUTO

Table 8.1-18
SOP COMMON MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0005)	CS	See Section 6	ALWAYS	AUTO
Instance Creation Date	(0008,0012)	DA		ALWAYS	AUTO
Instance Creation Time	(0008,0013)	TM		ALWAYS	AUTO
Instance Creator UID	(0008,0014)	UI	Related original image. Example: 1.2.392.200036.9116.6.22.xxxxxxx*(*8 digit number) (TUS-AI900) 1.2.392.200036.9116.6.28.xxxxxxx* (*8 digit number) (CUS-AA550)	ALWAYS	AUTO
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.7 for SC Image 1.2.840.10008.5.1.4.1.1.6.1 for US Image 1.2.840.10008.5.1.4.1.1.3.1 for US Multi-frame Image 1.2.840.10008.5.1.4.1.1.88.22 for Enhanced SR 1.2.840.10008.5.1.4.1.1.88.33 for Comprehensive SR	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI		ALWAYS	AUTO
Timezone Offset From UTC	(0008,0201)	SH		ALWAYS	AUTO

Table 8.1-19
PRIVATE APPLICATION MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Private Creator	(0029,00xx)	LO	PMTF INFORMATION DATA	ANAP	AUTO
Application Header Type	(0029,xx08)	CS	Ex.) TUS_IMAGE	ANAP	AUTO
Application Header Version	(0029,xx09)	LO	Ex.) 1	ANAP	AUTO
Application Header Data	(0029,xx10)	OB		ANAP	AUTO
Application Header Data	(0029,xx20)	OB		ANAP	AUTO
Private Creator	(7015,00xx)	LO	PMTF INFORMATION DATA CANON_SR	ALWAYS	AUTO
Application Header Data	(7015,xx60)	OB	TUS_MESUREMENT_XML	ANAP	AUTO
Application Header Sequence	(7015,xx73)	SQ	TUS_DATA	ANAP	AUTO
>Private Creator	(0029,00xx)	LO	PMTF INFORMATION DATA	ALWAYS	AUTO
>Application Header Type	(0029,xx89)	LO	USImage, etc	ALWAYS	AUTO
>Application Header Data	(0029,xx90)	OB		ALWAYS	AUTO
Private Creator	(7015,00xx)	LO	PMTF INFORMATION DATA	ANAP	AUTO

Application Header Sequence	(7015,xx73)	SQ	TUS_DATA	ANAP	AUTO
>Private Creator	(0029,00xx)	LO	PMTF INFORMATION DATA	ALWAYS	AUTO
>Application Header Type	(0029,xx89)	LO		ANAP	AUTO
>Application Header Data	(0029,xx90)	OB		ALWAYS	AUTO
Private Creator	(7FE1,00xx)	LO	CANON MDW NON-IMAGE	ANAP	AUTO
US Private Data	(7FE1,xx10)	OB		ANAP	AUTO

8.1.1.8 SC Image Modules

Table 8.1-20
SC EQUIPMENT MODULE OF CREATED SC IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Conversion Type	(0008,0064)	CS	WSD	ALWAYS	AUTO

8.1.1.9 US Image Modules

Table 8.1-21
US IMAGE MODULE OF CREATED US IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Heart Rate	(0018,1088)	IS	Positive integer value	ANAP	AUTO
Transducer Data	(0018,5010)	LO		ANAP	AUTO
Focus Depth	(0018,5012)	DS		ANAP	AUTO
Mechanical Index	(0018,5022)	DS		ANAP	AUTO
Bone Thermal Index	(0018,5024)	DS		ANAP	AUTO
Soft Tissue Thermal Index	(0018,5027)	DS		ANAP	AUTO
Depth of Scan Field	(0018,5050)	IS		ANAP	AUTO
Transducer Type	(0018,6031)	CS		ANAP	AUTO
Samples Per Pixel	(0028,0002)	US	1 or 3	ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS	RGB, MONOCHROME2 or YBR_FULL_422	ALWAYS	CONFIG
Planar Configuration	(0028,0006)	US	0 or 1	ANAP	AUTO
Rows	(0028,0010)	US	[Rows], [Columns] Related original image. Example: 960, 1280	ALWAYS	AUTO
Columns	(0028,0011)	US		ALWAYS	AUTO
Ultrasound Color Data Present	(0028,0014)	US	0 or 1	ALWAYS	AUTO
Bits Allocated	(0028,0100)	US	8	ALWAYS	AUTO
Bits Stored	(0028,0101)	US	8	ALWAYS	AUTO
High Bit	(0028,0102)	US	7	ALWAYS	AUTO
Pixel Representation	(0028,0103)	US	0	ALWAYS	AUTO
Pixel Data	(7FE0,0010)	OB or OW		ALWAYS	AUTO

8.1.1.10 US Multi-frame Image Modules

Table 8.1-22
CINE MODULE OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Start Trim	(0008,2142)	IS		ALWAYS	AUTO
Stop Trim	(0008,2143)	IS		ALWAYS	AUTO

Recommended Display Frame Rate	(0008,2144)	IS		ALWAYS	AUTO
Cine Rate	(0018,0040)	IS		ALWAYS	AUTO
Effective Duration	(0018,0072)	DS		ALWAYS	AUTO
Frame Time	(0018,1063)	DS		ALWAYS	AUTO
Frame Delay	(0018,1066)	DS		ALWAYS	AUTO
Actual Frame Duration	(0018,1242)	IS		ALWAYS	AUTO

Table 8.1-23
MULTI-FRAME MODULE OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Number of Frames	(0028,0008)	IS		ALWAYS	AUTO
Frame Increment Pointer	(0028,0009)	AT	0018,1063	ALWAYS	AUTO

Table 8.1-24
US IMAGE MODULE OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Stage Name	(0008,2120)	SH		ANAP	AUTO
Stage Number	(0008,2122)	IS		ANAP	AUTO
Number of Stages	(0008,2124)	IS		ANAP	AUTO
View Name	(0008,2127)	SH		ANAP	AUTO
View Number	(0008,2128)	IS		ANAP	AUTO
Number of Views in Stage	(0008,212A)	IS		ANAP	AUTO
Number of Event Timers	(0008,2129)	IS		ANAP	AUTO
Event Elapsed Time(s)	(0008,2130)	DS		ANAP	AUTO
Event Timer Name(s)	(0008,2132)	LO		ANAP	AUTO
Trigger Time	(0018,1060)	DS		ANAP	AUTO
Nominal Interval	(0018,1062)	IS		ANAP	AUTO
Beat Rejection Flag	(0018,1080)	CS		ANAP	AUTO
Low R-R Value	(0018,1081)	IS		ANAP	AUTO
High R-R Value	(0018,1082)	IS		ANAP	AUTO
Heart Rate	(0018,1088)	IS	Positive integer value	VNAP	AUTO
Transducer Data	(0018,5010)	LO		ALWAYS	AUTO
Focus Depth	(0018,5012)	DS		ANAP	AUTO
Mechanical Index	(0018,5022)	DS		ALWAYS	AUTO
Bone Thermal Index	(0018,5024)	DS		ANAP	AUTO
Soft Tissue Thermal Index	(0018,5027)	DS		ANAP	AUTO
Depth of Scan Field	(0018,5050)	IS		ANAP	AUTO
Transducer Type	(0018,6031)	CS		ALWAYS	AUTO
Samples per Pixel	(0028,0002)	US	1 or 3	ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS	RGB, MONOCHROME2 or YBR_FULL_422	ALWAYS	AUTO

Planar Configuration	(0028,0006)	US	0 or 1	ANAP	AUTO
Rows	(0028,0010)	US	[Rows], [Columns] Related original image. Example: 960, 1280	ALWAYS	AUTO
Columns	(0028,0011)	US		ALWAYS	AUTO
Ultrasound Color Data Present	(0028,0014)	US	0 or 1	ANAP	AUTO
Bits Allocated	(0028,0100)	US	8	ALWAYS	AUTO
Bits Stored	(0028,0101)	US	8	ALWAYS	AUTO
High Bit	(0028,0102)	US	7	ALWAYS	AUTO
Pixel Representation	(0028,0103)	US	0	ALWAYS	AUTO
Stage Code Sequence	(0040,000A)	SQ		ANAP	AUTO
>Code Value	(0008,0100)	SH		ANAP	AUTO
>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>Coding Scheme Version	(0008,0103)	SH		ANAP	AUTO
>Code Meaning	(0008,0104)	LO		ANAP	AUTO
View Code Sequence	(0054,0220)	SQ		ANAP	AUTO
>Code Value	(0008,0100)	SH		ANAP	AUTO
>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>Coding Scheme Version	(0008,0103)	SH		ANAP	AUTO
>Code Meaning	(0008,0104)	LO		ANAP	AUTO
Pixel Data	(7FE0,0010)	OB		ALWAYS	AUTO

8.1.1.11 Enhanced US Volume Modules

Table 8.1-25
ENHANCED US SERIES MODULE OF CREATED ENHANCED US VOLUME SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Modality	(0008,0060)	CS	US	ALWAYS	AUTO
Referenced Performed Procedure Step Sequence	(0008,1111)	SQ		ALWAYS	AUTO
>Referenced SOP Class UID	(0008,1150)	UI		ALWAYS	AUTO
>Referenced SOP Instance UID	(0008,1155)	UI		ALWAYS	AUTO

Table 8.1-26
ENHANCED GENERAL EQUIPMENT MODULE OF CREATED ENHANCED US VOLUME SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Manufacturer	(0008,0070)	LO	Follow the settings of the original image. CANON_MEC for CUS-AA550/450/000 CUW-U001S TOSHIBA_MEC_US for TUS-AI900/800/700	ALWAYS	AUTO
Manufacturer's Model Name	(0008,1090)	LO	Related original image. Example: CUW-U001S TUS-AI900 CUS-AA550	ALWAYS	AUTO
Device Serial Number	(0018,1000)	LO		ALWAYS	AUTO
Software Version	(0018,1020)	LO	Related original image. Example: V2.0 SPxxxx* for System Version V2.0 of CUW-U001S V7.0 SPxxxx* for System Version V7.0 of TUS-AI900/800/700 V7.0 SPxxxx* for System Version V5.0 of CUS-AA550/450/000	ALWAYS	AUTO

Table 8.1-27
CARDIAC SYNCHRONIZATION MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Cardiac RR Interval Specified	(0018,9070)	FD		ALWAYS	AUTO

Table 8.1-28
ENHANCED US IMAGE MODULE OF CREATED ENHANCED US VOLUME SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Image Type	(0008,0008)	CS	Value 1: Pixel Data Characteristics "ORIGINAL" or "DERIVED" Value 2: Patient Examination Characteristics "PRIMARY" or "SECONDARY" Value 3: System Defined Term Value 4: Image Mode	ANAP	AUTO
Samples per Pixel	(0028,0002)	US	1	ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS	MONOCHROME2	ALWAYS	AUTO
Bits Allocated	(0028,0100)	US	8	ALWAYS	AUTO
Bits Stored	(0028,0101)	US	8	ALWAYS	AUTO
High Bit	(0028,0102)	US	7	ALWAYS	AUTO
Pixel Representation	(0028,0103)	US	0	ALWAYS	AUTO
Dimension Organization Type	(0020,9311)	CS	3D	ALWAYS	AUTO
Acquisition Date Time	(0008,002A)	DT		ALWAYS	AUTO
Acquisition Duration	(0018,9073)	FD		ALWAYS	AUTO
Pixel Spacing	(0028,0030)	DS		ALWAYS	AUTO
Lossy Image Compression	(0028,2110)	CS	00 or 01	ALWAYS	AUTO
Presentation LUT Shape	(2050,0020)	CS	IDENTITY	ALWAYS	AUTO
Rescale Intercept	(0028,1052)	DS	0	ALWAYS	AUTO
Rescale Slope	(0028,1053)	DS	1	ALWAYS	AUTO
Burned In Annotation	(0028,0301)	CS	NO	ALWAYS	AUTO
Transducer Scan Pattern Code Sequence	(0018,9809)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)	SH		ALWAYS	AUTO
> Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
Transducer Geometry Code Sequence	(0018,980D)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)	SH		ALWAYS	AUTO
> Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
Transducer Beam Steering Code Sequence	(0018,980E)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)	SH		ALWAYS	AUTO
> Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO

>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
Transducer Application Code Sequence	(0018,980F)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)	SH		ALWAYS	AUTO
> Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
Mechanical Index	(0018,5022)	DS		ALWAYS	AUTO
Cranial Thermal Index	(0018,5026)	DS		ALWAYS	AUTO
Depth(s) of Focus	(0018,9801)	FD		ALWAYS	AUTO
Depth of Scan Field	(0018,5050)	IS		ALWAYS	AUTO

8.1.1.12 Enhanced/Comprehensive SR Modules

Table 8.1-29
SR DOCUMENT SERIES MODULE OF CREATED ENHANCED/COMPREHENSIVE SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Modality	(0008,0060)	CS	SR	ALWAYS	AUTO
Referenced Study Component Sequence	(0008,1111)	SQ		VNAP	AUTO
Series Instance UID	(0020,000E)	UI		ALWAYS	AUTO
Series Number	(0020,0011)	IS		ALWAYS	AUTO

Table 8.1-30
SR DOCUMENT GENERAL MODULE OF CREATED ENHANCED/COMPREHENSIVE SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Content Date	(0008,0023)	DA		ALWAYS	AUTO
Content Time	(0008,0033)	TM		ALWAYS	AUTO
Instance Number	(0020,0013)	IS		ALWAYS	AUTO
Referenced Request Sequence	(0040,A370)	SQ		VNAP	AUTO
>Accession Number	(0008,0050)	SH		ALWAYS	AUTO
>Referenced Study Sequence	(0008,1110)	SQ		ALWAYS	AUTO
>Study Instance UID	(0020,000D)	UI		ALWAYS	AUTO
>Requested Procedure Description	(0032,1060)	LO		VNAP	AUTO
>Requested Procedure Code Sequence	(0032,1064)	SQ		VNAP	AUTO
>Requested Procedure ID	(0040,1001)	SH		VNAP	AUTO
>Placer Order Number/Imaging Service Request	(0040,2016)	LO		VNAP	AUTO
>Filler Order Number/Imaging Service Request	(0040,2017)	LO		VNAP	AUTO
Performed Procedure Code Sequence	(0040,A372)	SQ		VNAP	AUTO
Current Requested Procedure Evidence Sequence	(0040,A375)	SQ		VNAP	AUTO
>Referenced Series Sequence	(0008,1115)	SQ		ALWAYS	AUTO
>>Referenced SOP Sequence	(0008,1199)	SQ		ALWAYS	AUTO
>>>Referenced SOP Class UID	(0008,1150)	UI		ALWAYS	AUTO
>>>Referenced SOP Instance UID	(0008,1155)	UI		ALWAYS	AUTO
>>Series Instance UID	(0020,000E)	UI		ALWAYS	AUTO
>Study Instance UID	(0020,000D)	UI		ALWAYS	AUTO
Completion Flag	(0040,A491)	CS	COMPLETE	ALWAYS	AUTO
Verification Flag	(0040,A493)	CS	UNVERIFIED	ALWAYS	AUTO

Table 8.1-31
SR DOCUMENT CONTENT MODULE OF CREATED ENHANCED/COMPREHENSIVE SR SOP INSTANCES FOR ECHOCARDIOGRAPHY PROCEDURE REPORT TEMPLATE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)	SH	125200	ALWAYS	AUTO
>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>Code Meaning	(0008,0104)	LO	Adult Echocardiography Procedure Report	ALWAYS	AUTO
Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
Content Template Sequence	(0040,A504)	SQ		ALWAYS	AUTO
>Template Identifier	(0040,DB00)	CS	5200	ALWAYS	AUTO
>Mapping Resource	(0008,0105)	CS	DCMR	ALWAYS	AUTO
Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121049	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Language of Content Item and descendants	ALWAYS	AUTO
>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	eng	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	ISO0639-2	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	English	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS OBS CONTEXT	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121005	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Observer Type	ALWAYS	AUTO
>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121007	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Device	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121118	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Patient Characteristics	ALWAYS	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content Sequence	(0040,A730)	SQ		ANAP	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	121033	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO	Subject Age	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>>Code Value	(0008,0100)	SH		ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO		ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	121032	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Subject Sex	ALWAYS	AUTO
>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH		ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	8867-4	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO	Heart Rate. SR Document content Module may have multiple measurement results, at that case, the heart rate value is set for the last measurement.	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	{H.B.}/min	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	UCUM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Heart beat per minute	ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	F-008EC	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO	Systolic Blood Pressure	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	mm[Hg]	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	UCUM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Millimeter of mercury	ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	F-008ED	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO	Diastolic Blood Pressure	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	mm[Hg]	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	UCUM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Millimeter of mercury	ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	8277-6	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Body Surface Area	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	m2	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	UCUM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	M^2	ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	8302-2	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Patient Height	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	m	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	UCUM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	meter	ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	29463-7	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Patient Weight	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	kg	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	UCUM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	kg	ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	TEXT	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	121114	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>>Code Meaning	(0008,0104)	LO	Performing Physician	ANAP	AUTO
>>>Text Value	(0040,A160)	UT		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	TEXT	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	C1709880	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	UMLS	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Referring Physician	ANAP	AUTO
>>>Text Value	(0040,A160)	UT		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	TEXT	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	309343006	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SCT	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Physician	ANAP	AUTO
>>>Text Value	(0040,A160)	UT		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	DATE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	111060	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Study Date	ANAP	AUTO
>>>Date	(0040,A121)	DA		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	TIME	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	111061	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Study Time	ANAP	AUTO
>>>Date	(0040,A122)	TM		ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>Code Value	(0008,0100)	SH	111028	ANAP	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO
>>Code Meaning	(0008,0104)	LO	Image Library	ANAP	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content Sequence	(0040,A730)	SQ		ANAP	AUTO
>>Referenced SOP Sequence	(0008,1199)	SQ		ALWAYS	AUTO
>>>Referenced SOP Class UID	(0008,1150)	UI		ALWAYS	AUTO
>>>Referenced SOP Instance UID	(0008,1155)	UI		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	IMAGE	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONATINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121070	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Findings	ALWAYS	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO

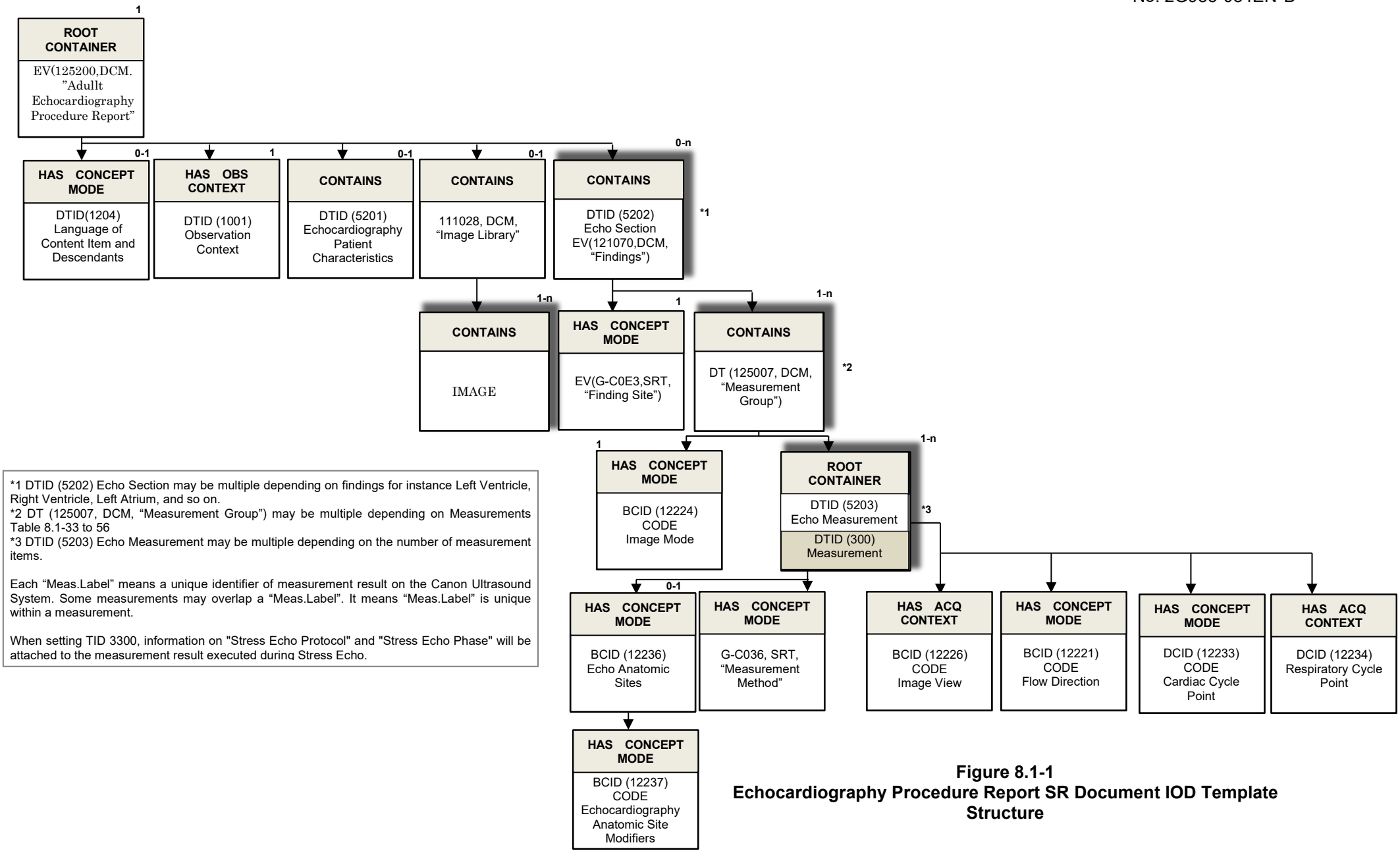
Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>Code Value	(0008,0100)	SH	G-C0E3	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Finding Site	ALWAYS	AUTO
>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	**CV** / **CSD** / **CM** T-32600 / SRT / Left Ventricle T-32300 / SRT / Left Atrium T-32500 / SRT / Right Ventricle T-35400 / SRT / Aortic Valve T-35300 / SRT / Mitral Valve T-48581 / SRT / Pulmonary Venous Structure	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	T-35100 / SRT / Tricuspid Valve T-35200 / SRT / Pulmonic Valve 3270000 / TSBus / Right Coronary Artery 3270001 / TSBus / Left Anterior Descending Coronary Artery	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	P5-30031 / SRT / Cardiac Shunt Study T-32200 / SRT / Right Atrium T-42000 / SRT / Aorta T-44000 / SRT / Pulmonary artery T-48600 / SRT / Vena Cava D4-30000 / SRT / Congenital Anomaly of Cardiovascular System	ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	125007	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Measurement Group	ALWAYS	AUTO
>>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>>Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH	G-0373	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Image Mode	ANAP	AUTO
>>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	**CV** / **CSD** / **CM** G-03A2 / SRT / 2D mode G-0394 / SRT / M mode	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO		ANAP	AUTO

Attribute Name	Tag	VR	Value			Presence of Value	Source
			03210001	TSBus	Doppler Mode		
>>>Relationship Type	(0040,A010)	CS	CONTAINS			ALWAYS	AUTO
>>>Value Type	(0040,A040)	CS	NUM			ALWAYS	AUTO
>>>Concept Name Code Sequence	(0040,A043)	SQ				ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH				ALWAYS	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH				ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	Measurement name or description			ALWAYS	AUTO
>>>Measured Value Sequence	(0040,A300)	SQ				ALWAYS	AUTO
>>>>Measured Units Code Sequence	(0040,08EA)	SQ				ALWAYS	AUTO
>>>>>Code Value	(0008,0100)	SH				ALWAYS	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH				ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO				ALWAYS	AUTO
>>>>Numeric Value	(0040,A30A)	DS				ALWAYS	AUTO
>>>Content Sequence	(0040,A730)	SQ				ANAP	AUTO
>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD			ALWAYS	AUTO
>>>>Value Type	(0040,A040)	CS	CODE			ALWAYS	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ				ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	**CV**	**CSD**	**CM**	ANAP	AUTO
			G-0391	SRT	Medial Mitral Annulus		
			G-0392	SRT	Lateral Mitral Annulus		
			T-35313	SRT	Mitral Annulus		
>>>>>Coding Scheme Designator	(0008,0102)	SH	T-32600	SRT	Left Ventricle	ANAP	AUTO
			T-32650	SRT	Left Ventricle Outflow Tract		
			T-32550	SRT	Right Ventricle Outflow Tract		
			T-35300	SRT	Mitral Valve		
			T-42000	SRT	Aorta		
>>>>>Code Meaning	(0008,0104)	LO	T-35111	SRT	Tricuspid Annulus	ANAP	AUTO
			T-35410	SRT	Aortic Valve Ring		
			D4-31150	SRT	Ventricular Septal Defect		
			D4-31220	SRT	Atrial Septal Defect		
>>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD			ALWAYS	AUTO
>>>>>Value Type	(0040,A040)	CS	CODE			ALWAYS	AUTO
>>>>>Concept Name Code Sequence	(0040,A043)	SQ				ANAP	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>>>>Code Value	(0008,0100)	SH	G-A1F8	ANAP	AUTO
>>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>>>>Code Meaning	(0008,0104)	LO	Topographical modifier	ANAP	AUTO
>>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>>Code Value	(0008,0100)	SH	CV: R-404A0 / CSD: SRT / CM: Right Upper Segment	ANAP	AUTO
>>>>>>Coding Scheme Designator	(0008,0102)	SH	CV: R-4049E / CSD: SRT / CM: Right Lower Segment	ANAP	AUTO
>>>>>>Code Meaning	(0008,0104)	LO	CV: R-40491 / CSD: SRT / CM: Left Upper Segment CV: R-4214B / CSD: SRT / CM: Left Lower Segment	ANAP	AUTO
>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	R-40899	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Respiratory Cycle Point	ANAP	AUTO
>>>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>>>Code Value	(0008,0100)	SH	CV: F-20010 / CSD: SRT / CM: During Inspiration	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	CV: F-20020 / CSD: SRT / CM: During Expiration	ANAP	AUTO
>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	R-4089A	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Cardiac Cycle Point	ANAP	AUTO
>>>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>>>Code Value	(0008,0100)	SH	CV: F-32010 / CSD: SRT / CM: Diastole	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	CV: F-32011 / CSD: SRT / CM: End Diastole	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	CV: F-32020 / CSD: SRT / CM: Systole CV: 109070 / CSD: DCM / CM: End Systole	ANAP	AUTO
>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	G-C036	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Measurement Method	ANAP	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO

Attribute Name	Tag	VR	Value			Presence of Value	Source
			CV	**CSD**	**CM**		
>>>>>Code Value	(0008,0100)	SH	125204	DCM	Area-Length Biplane	ANAP	AUTO
			125205	DCM	Area-Length Single Plane		
			125206	DCM	Cube Method		
			125207	DCM	Method of Disks, Biplane		
			125208	DCM	Method of Disks, Single Plane		
>>>>>Coding Scheme Designator	(0008,0102)	SH	125209	DCM	Teichholz	ANAP	AUTO
			125210	DCM	Area by Pressure Half-Time		
			125215	DCM	Continuity Equation by Velocity Time Integral		
>>>>>Code Meaning	(0008,0104)	LO	125216	DCM	Proximal Isovelocity Surface Area	ANAP	AUTO
			125218	DCM	Simplified Bernoulli		
			125221	DCM	Left Ventricle Mass by M-mode		
			125222	DCM	Left Ventricle Mass by Truncated Ellipse		
			03500000	TSBus	Bullet Method		
			0317000A	TSBus	Gibson Method		
>>>>Relationship Type	(0040,A010)	CS	ACQ CONTEXT			ALWAYS	AUTO
>>>>Value Type	(0040,A040)	CS	CODE			ALWAYS	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ				ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	111031			ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	DCM			ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Image View			ANAP	AUTO
>>>>Concept Code Sequence	(0040,A168)	SQ				ALWAYS	AUTO
>>>>>Code Value	(0008,0100)	SH	**CV**	**CSD**	**CM**	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	G-A19B	SRT	Apical two chamber	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	G-A19C	SRT	Apical four chamber	ANAP	AUTO
>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD			ALWAYS	AUTO
>>>>Value Type	(0040,A040)	CS	CODE			ALWAYS	AUTO

Attribute Name	Tag	VR	Value			Presence of Value	Source
>>>>Concept Name Code Sequence	(0040,A043)	SQ				ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	G-C048			ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT			ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Flow Direction			ANAP	AUTO
>>>>Concept Code Sequence	(0040,A168)	SQ				ALWAYS	AUTO
>>>>>Code Value	(0008,0100)	SH	**CV**	**CSD**	**CM**	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	R-42047	SRT	Antegrade Flow	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	R-42E61	SRT	Regurgitant Flow	ANAP	AUTO



*1 DTID (5202) Echo Section may be multiple depending on findings for instance Left Ventricle, Right Ventricle, Left Atrium, and so on.
*2 DT (125007, DCM, "Measurement Group") may be multiple depending on Measurements Table 8.1-33 to 56
*3 DTID (5203) Echo Measurement may be multiple depending on the number of measurement items.

Each "Meas.Label" means a unique identifier of measurement result on the Canon Ultrasound System. Some measurements may overlap a "Meas.Label". It means "Meas.Label" is unique within a measurement.

When setting TID 3300, information on "Stress Echo Protocol" and "Stress Echo Phase" will be attached to the measurement result executed during Stress Echo.

Figure 8.1-1
Echocardiography Procedure Report SR Document IOD Template Structure

Table 8.1-32 to **Table 8.1-55** shows the relationship between unique identifiers "Meas.Label" and DICOM tags structures.
Note: Meas.No, LV Parallel and Meas.Label are just for internal use, and those values are not output.

Table 8.1-32
Cardiac 2D-Mode LV measurement (MOD Simpson method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0001		LVAd2	SRT	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0002		LVLd2	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0003		EDV2	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber				DCM	125208	Method of Disks, Single Plane
1163		LVCLd2	TSBus	03010011	Left Ventricular Contour Length	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole			
0007		LVAs2	SRT	G-0374	Left Ventricular systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
0008		LVLs2	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
0009		ESV2	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber				DCM	125208	Method of Disks, Single Plane
1164		LVCLs2	TSBus	03010011	Left Ventricular Contour Length	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole			
1255		LVAd3	SRT	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
1256		LVLd3	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
1257		EDV3	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis				DCM	125208	Method of Disks, Single Plane
1258		LVCLd3	TSBus	03010011	Left Ventricular Contour Length	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32011	End Diastole			

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1259		LVAs3	SRT	G-0374	Left Ventricular systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
1260		LVLs3	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
1261		ESV3	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis				DCM	125208	Method of Disks, Single Plane
1262		LVCLs3	TSBus	03010011	Left Ventricular Contour Length	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	DCM	109070	End Systole			
0013		LVAd4	SRT	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0014		LVLd4	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0015		EDV4	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber				DCM	125208	Method of Disks, Single Plane
1165		LVCLd4	TSBus	03010011	Left Ventricular Contour Length	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole			
0019		LVAs4	SRT	G-0374	Left Ventricular systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
0020		LVLs4	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
0021		ESV4	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber				DCM	125208	Method of Disks, Single Plane
1166		LVCLs4	TSBus	03010011	Left Ventricular Contour Length	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Systole			
0025		LAa4	TSBus	03010002	Left Atrium Area	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0026		LAd4	TSBus	03010003	Left Atrium major axis	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
0027		LAV4	TSBus	03010004	Left Atrium Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
1173		LACL4	TSBus	03010013	Left Atrium Contour Length	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber						
0031		LAa2	TSBus	03010002	Left Atrium Area	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
0032		LAd2	TSBus	03010003	Left Atrium major axis	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
0033		LAV2	TSBus	03010004	Left Atrium Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
1174		LACL2	TSBus	03010013	Left Atrium Contour Length	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber						
0037		LA W	TSBus	03010005	Left Atrium Width	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				DCM	109070	End Systole			
0039		LA H	TSBus	03010006	Left Atrium Height	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				DCM	109070	End Systole			
0041		LA D	TSBus	03010007	Left Atrium Depth	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				DCM	109070	End Systole			
0043		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode									
0045		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125207	Method of Disks, Biplane
0047		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125207	Method of Disks, Biplane
0049		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125207	Method of Disks, Biplane

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0051		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125207	Method of Disks, Biplane
0053		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125207	Method of Disks, Biplane
0055		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125207	Method of Disks, Biplane
0057		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125207	Method of Disks, Biplane
0059		SV4	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0061		CO4	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0063		EF4	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber				DCM	125208	Method of Disks, Single Plane
0065		SI4	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0067		CI4	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0069		SV2	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0071		CO2	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0073		EF2	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber				DCM	125208	Method of Disks, Single Plane
0075		SI2	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0077		CI2	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1263		SV3	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
1264		CO3	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
1265		EF3	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis				DCM	125208	Method of Disks, Single Plane
1266		SI3	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
1267		CI3	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0079		LVLd Diff	TSBus	03010000	LV_Ldiff_d_BP MOD	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
0080		LVLs Diff	TSBus	03010001	LV_Ldiff_s_BP MOD	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole			
0083		LAV	TSBus	0301000B	Left Atrium Volume Biplane Method of Disks.	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125207	Method of Disks, Biplane
0085		LAVI	TSBus	0301000C	Left Atrium Volume Index	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				DCM	109070	End Systole			
0087		LAVI2	TSBus	0301000C	Left Atrium Volume Index	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
0089		LAVI4	TSBus	0301000C	Left Atrium Volume Index	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
0091		LA_Vol	TSBus	0301000F	Left Atrium Volume 3 axis method	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				DCM	109070	End Systole			
0093		LA_VI	TSBus	0301000A	Left Atrium Volume Index 3 axis method	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				DCM	109070	End Systole			

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0095		LAV(AL)	TSBus	03010010	Left Atrium Volume Biplane Area-Length	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125204	Area-Length Biplane
0097		LAVI(AL)	TSBus	0301000C	Left Atrium Volume Index	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125204	Area-Length Biplane
1167		GLS4 (MOD)	TSBus	03010012	Left Ventricular Global Longitudinal Strain	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber						
1168		GLS2 (MOD)	TSBus	03010012	Left Ventricular Global Longitudinal Strain	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber						
1268		GLS3 (MOD)	TSBus	03010012	Left Ventricular Global Longitudinal Strain	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis						
1169		GLS (MOD)	TSBus	03010012	Left Ventricular Global Longitudinal Strain	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode									

Table 8.1-33
Cardiac 2D-Mode LV measurement (Teichholz method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0150	4 Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0155		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0161		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz
0167		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0154	3 Section	IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0160		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz
0166		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0172		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz
0176		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz
0180		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0099		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz
0149	1Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0153		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0159		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz
0165		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0171		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz
0175		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz
0179		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz
0101		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz
0103		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz
0105		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0107		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125209	Teichholz

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0109		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz
0111		FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode									
0113		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0115		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0117		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030002	Mass ASECube with Teichholz
0119		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030003	Mass PennCube with Teichholz
0121		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030004	Mass Teichholz with Teichholz
0123		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030005	Mass AVCube with Teichholz
0125		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030002	Mass ASECube with Teichholz
0127		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030003	Mass PennCube with Teichholz
0129		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030004	Mass Teichholz with Teichholz
0131		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030005	Mass AVCube with Teichholz
0133		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030002	Mass ASECube with Teichholz

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0135		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030003	Mass PennCube with Teichholz
0137		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030004	Mass Teichholz with Teichholz
0139		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030005	Mass AVCube with Teichholz
0141		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030002	Mass ASECube with Teichholz
0143		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030003	Mass PennCube with Teichholz
0145		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030004	Mass Teichholz with Teichholz
0147		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030005	Mass AVCube with Teichholz

Table 8.1-34
Cardiac 2D-Mode LV measurement (Cube method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0234	4Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0239		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0245		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method
0251		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0256	3Section	IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
0260		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
0264		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
0238		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0244		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method
0250		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0183		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method
0233	1Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0237		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0243		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method
0249		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0255		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
0259		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
0263		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
0185		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method
0187		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method
0189		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0191		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125206	Cube Method

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0193		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method
0195		FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode									
0197		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0199		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0201		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030006	Mass ASECube with Cube
0203		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030007	Mass PennCube with Cube
0205		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030008	Mass Teichholz with Cube
0207		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030009	Mass AVCube with Cube
0209		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030006	Mass ASECube with Cube
0211		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030007	Mass PennCube with Cube
0213		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030008	Mass Teichholz with Cube
0215		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030009	Mass AVCube with Cube
0217		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030006	Mass ASECube with Cube

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0219		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030007	Mass PennCube with Cube
0221		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030008	Mass Teichholz with Cube
0223		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030009	Mass AVCube with Cube
0225		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030006	Mass ASECube with Cube
0227		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030007	Mass PennCube with Cube
0229		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030008	Mass Teichholz with Cube
0231		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030009	Mass AVCube with Cube

Table 8.1-35
Cardiac 2D-Mode LV measurement (Gibson method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0318	4Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0323		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0329		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method
0335		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0340	3Section	IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0344		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0348		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0322		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0328		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0334		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0267		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method
0317	1Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0321		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0327		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method
0333		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0339		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0343		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0347		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0269		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0271		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method
0273		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0275		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0277		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method
0279		FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode									
0281		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0283		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0285		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000A	Mass ASECube with Gibson
0287		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000B	Mass PennCube with Gibson
0289		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000C	Mass Teichholz with Gibson
0291		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000D	Mass AVCube with Gibson
0293		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000A	Mass ASECube with Gibson
0295		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000B	Mass PennCube with Gibson

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0297		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000C	Mass Teichholz with Gibson
0299		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000D	Mass AVCube with Gibson
0301		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000A	Mass ASECube with Gibson
0303		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000B	Mass PennCube with Gibson
0305		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000C	Mass Teichholz with Gibson
0307		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000D	Mass AVCube with Gibson
0309		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000A	Mass ASECube with Gibson
0311		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000B	Mass PennCube with Gibson
0313		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000C	Mass Teichholz with Gibson
0315		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000D	Mass AVCube with Gibson

Table 8.1-36
Cardiac 2D-Mode LV measurement (Single plane method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0351		LVALd	SRT	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32011	End Diastole	DCM	125205	Area-Length Single Plane
0353		LVALs	SRT	G-0374	Left Ventricular Systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	DCM	109070	End Systole	DCM	125205	Area-Length Single Plane
0355		LVLd	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125205	Area-Length Single Plane
0357		LVLs	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125205	Area-Length Single Plane
0359		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125205	Area-Length Single Plane
0361		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125205	Area-Length Single Plane
0363		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125205	Area-Length Single Plane
0365		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane
0367		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane
0369		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125205	Area-Length Single Plane
0371		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane
0373		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane

Table 8.1-37
Cardiac 2D-Mode LV measurement (Biplane method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0375		LVALd	LN	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32011	End Diastole	DCM	125204	Area-Length Biplane
0377		LVAMd	LN	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-039A	Parasternal short axis at the Mitral Valve level	SRT	F-32011	End Diastole	DCM	125204	Area-Length Biplane
0379		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis				DCM	125204	Area-Length Biplane
0381		LVALs	SRT	G-0374	Left Ventricular Systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	DCM	109070	End Systole	DCM	125204	Area-Length Biplane
0383		LVAMs	SRT	G-0374	Left Ventricular Systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-039A	Parasternal short axis at the Mitral Valve level	DCM	109070	End Systole	DCM	125204	Area-Length Biplane
0385		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	DCM	109070	End Systole	DCM	125204	Area-Length Biplane
0387		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125204	Area-Length Biplane
0389		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125204	Area-Length Biplane
0391		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125204	Area-Length Biplane
0393		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125204	Area-Length Biplane
0395		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125204	Area-Length Biplane
0397		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125204	Area-Length Biplane
0399		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125204	Area-Length Biplane

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0401		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125204	Area-Length Biplane

Table 8.1-38
Cardiac 2D-Mode LV measurement (Bullet method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0403		LVAMd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-039A	Parasternal short axis at the Mitral Valve level				TSBus	03500000	Bullet Method
0405		LVLd	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32011	End Diastole	TSBus	03500000	Bullet Method
0407		LVAMs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-039A	Parasternal short axis at the Mitral Valve level	DCM	109070	End Systole	TSBus	03500000	Bullet Method
0409		LVLs	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	DCM	109070	End Systole	TSBus	03500000	Bullet Method
0411		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	03500000	Bullet Method
0413		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	03500000	Bullet Method
0415		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	03500000	Bullet Method
0417		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	03500000	Bullet Method
0419		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	03500000	Bullet Method
0421		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	03500000	Bullet Method
0423		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	03500000	Bullet Method
0425		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	03500000	Bullet Method

Table 8.1-39
Cardiac 2D-Mode LA Volume measurement

Meas .No.	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method			Derivation			Index		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1175	LAA4 max	SRT	G-A166	Area	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	R-FAB5B	End Systole				DCM	125208	Method of Disks, Single Plane						
1176	LAL4 max	SRT	G-A193	Major axis	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	R-FAB5B	End Systole				DCM	125208	Method of Disks, Single Plane						
1269	LAD4 max	TSBus	03400008	Left Atrium Diameter	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	R-FAB5B	End Systole				DCM	125208	Method of Disks, Single Plane						
1177	LACL4 max	SRT	M-02560	Circumference	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	R-FAB5B	End Systole				DCM	125208	Method of Disks, Single Plane						
1178	LAA2 max	SRT	G-A166	Area	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	R-FAB5B	End Systole				DCM	125208	Method of Disks, Single Plane						
1179	LAL2 max	SRT	G-A193	Major axis	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	R-FAB5B	End Systole				DCM	125208	Method of Disks, Single Plane						
1270	LAD2 max	TSBus	03400008	Left Atrium Diameter	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	R-FAB5B	End Systole				DCM	125208	Method of Disks, Single Plane						
1180	LACL2 max	SRT	M-02560	Circumference	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	R-FAB5B	End Systole				DCM	125208	Method of Disks, Single Plane						
1181	LAV4 max	DCM	122408	Left Atrial End Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	R-FAB5B	End Systole				DCM	125208	Method of Disks, Single Plane						
1182	LAV2 max	DCM	122408	Left Atrial End Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	R-FAB5B	End Systole				DCM	125208	Method of Disks, Single Plane						

Meas .No.	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method			Derivation			Index		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1183	LAV max(MOD)	DCM	122408	Left Atrial End Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	R-FAB5B	End Systole				DCM	125207	Method of Disks, Biplane						
1184	LAVI max(MOD)	DCM	122408	Left Atrial End Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	R-FAB5B	End Systole				DCM	125207	Method of Disks, Biplane	DCM	125313	Index	LN	8277-6	BSA
1185	LAVI2 max	DCM	122408	Left Atrial End Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	R-FAB5B	End Systole				DCM	125208	Method of Disks, Single Plane	DCM	125313	Index	LN	8277-6	BSA
1186	LAVI4 max	DCM	122408	Left Atrial End Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	R-FAB5B	End Systole				DCM	125208	Method of Disks, Single Plane	DCM	125313	Index	LN	8277-6	BSA
1187	LAL max diff	LN	59132-1	Fractional Shortering	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	R-FAB5B	End Systole				DCM	125207	Method of Disks, Biplane						
1188	LAV max (AL)	DCM	122408	Left Atrial End Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	R-FAB5B	End Systole				DCM	125204	Area-Length Biplane						
1189	LAVI max(AL)	DCM	122408	Left Atrial End Systolic Volume	SRT	T-32300	Left Atrium							SRT	R-FAB5B	End Systole				DCM	125204	Area-Length Biplane	DCM	125313	Index	LN	8277-6	BSA
1190	LAA4 min	SRT	G-A166	Area	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	R-FAB5C	End Diastole				DCM	125208	Method of Disks, Single Plane						
1191	LAL4 min	SRT	G-A193	Major axis	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	R-FAB5C	End Diastole				DCM	125208	Method of Disks, Single Plane						
1192	LACL4 min	SRT	M-02560	Circumference	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	R-FAB5C	End Diastole				DCM	125208	Method of Disks, Single Plane						
1193	LAA2 min	SRT	G-A166	Area	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	R-FAB5C	End Diastole				DCM	125208	Method of Disks, Single Plane						
1194	LAL2 min	SRT	G-A193	Major axis	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	R-FAB5C	End Diastole				DCM	125208	Method of Disks, Single Plane						

Meas .No.	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method			Derivation			Index		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1195	LACL4 min	SRT	M-02560	Circumference	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	R-FAB5C	End Diastole				DCM	125208	Method of Disks, Single Plane						
1196	LAV4 min	DCM	122407	Left Atrial End Diastolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	R-FAB5C	End Diastole				DCM	125208	Method of Disks, Single Plane						
1197	LAV2 min	DCM	122407	Left Atrial End Diastolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	R-FAB5C	End Diastole				DCM	125208	Method of Disks, Single Plane						
1198	LAV min(MOD)	DCM	122407	Left Atrial End Diastolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	R-FAB5C	End Diastole				DCM	125207	Method of Disks, Biplane						
1199	LAVI min(MOD)	DCM	122407	Left Atrial End Diastolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	R-FAB5C	End Diastole				DCM	125207	Method of Disks, Biplane	DCM	125313	Index	LN	8277-6	BSA
1200	LAVI2 min	DCM	122407	Left Atrial End Diastolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	R-FAB5C	End Diastole				DCM	125208	Method of Disks, Single Plane	DCM	125313	Index	LN	8277-6	BSA
1201	LAVI4 min	DCM	122407	Left Atrial End Diastolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	R-FAB5C	End Diastole				DCM	125208	Method of Disks, Single Plane	DCM	125313	Index	LN	8277-6	BSA
1202	LAL min diff	LN	59132-1	Fractional Shortering	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	R-FAB5C	End Diastole				DCM	125207	Method of Disks, Biplane						
1203	LAV min(AL)	DCM	122407	Left Atrial End Diastolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	R-FAB5C	End Diastole				DCM	125204	Area-Length Biplane						
1204	LAVI min(AL)	DCM	122407	Left Atrial End Diastolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	R-FAB5C	End Diastole				DCM	125204	Area-Length Biplane	DCM	125313	Index	LN	8277-6	BSA
1205	LAA4 preA	SRT	G-A166	Area	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32030	Artial Systole				DCM	125208	Method of Disks, Single Plane						
1206	LAL4 preA	SRT	G-A193	Major axis	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32030	Artial Systole				DCM	125208	Method of Disks, Single Plane						

Meas .No.	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method			Derivation			Index		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1207	LACL4 preA	SRT	M-02560	Circumference	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32030	Artial Systole				DCM	125208	Method of Disks, Single Plane						
1208	LAA2 preA	SRT	G-A166	Area	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32030	Artial Systole				DCM	125208	Method of Disks, Single Plane						
1209	LAL2 preA	SRT	G-A193	Major axis	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32030	Artial Systole				DCM	125208	Method of Disks, Single Plane						
1210	LACL2 preA	SRT	M-02560	Circumference	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32030	Artial Systole				DCM	125208	Method of Disks, Single Plane						
1211	LAV4 preA	SRT	G-0383	Left Atrium Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32030	Artial Systole				DCM	125208	Method of Disks, Single Plane						
1212	LAV2 preA	SRT	G-0383	Left Atrium Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32030	Artial Systole				DCM	125208	Method of Disks, Single Plane						
1213	LAV preA	SRT	G-0383	Left Atrium Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32030	Artial Systole				DCM	125207	Method of Disks, Biplane						
1214	LAVI preA	SRT 1	G-0383	Left Atrium Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32030	Artial Systole				DCM	125207	Method of Disks, Biplane	DCM	125313	Index	LN	8277-6	BSA
1215	LAVI2 preA	SRT	G-0383	Left Atrium Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32030	Artial Systole				DCM	125208	Method of Disks, Single Plane	DCM	125313	Index	LN	8277-6	BSA
1216	LAVI4 preA	SRT	G-0383	Left Atrium Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32030	Artial Systole				DCM	125208	Method of Disks, Single Plane	DCM	125313	Index	LN	8277-6	BSA
1217	LAL preA diff	LN	59132-1	Fractional Shortering	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32030	Artial Systole				DCM	125207	Method of Disks, Biplane						

Meas .No.	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method			Derivation			Index		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1218	LAV preA(AL)	SRT	G-0383	Left Atrium Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32030	Artial Systole				DCM	125204	Area-Length Biplane						
1219	LAVI preA(AL)	SRT	G-0383	Left Atrium Systolic Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32030	Artial Systole				DCM	125204	Area-Length Biplane	DCM	125313	Index	LN	8277-6	BSA
1271	LAEF (MOD)	TSBus	03400009	Left Atrium Emptying Fraction	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode										DCM	125207	Method of Disks, Biplane						
1272	LAEF4	TSBus	03400009	Left Atrium Emptying Fraction	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber							DCM	125208	Method of Disks, Single Plane						
1273	LAFE2	TSBus	03400009	Left Atrium Emptying Fraction	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber							DCM	125208	Method of Disks, Single Plane						
1274	LAGLSs	TSBus	0340000A	Left Atrium Global Longitudinal Strain	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	R-FAB5B	End Systole												
1275	LAGLSs4	TSBus	0340000A	Left Atrium Global Longitudinal Strain	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	R-FAB5B	End Systole												
1276	LAGLSs2	TSBus	0340000A	Left Atrium Global Longitudinal Strain	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	R-FAB5B	End Systole												

Table 8.1-40
Cardiac M-Mode Aortic Valve measurement

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0427		Ao Diam	LN	18015-8	Aortic Root Diameter	SRT	T-35400	Aortic Valve							DCM	109070	End Systole			
0429		LA Diam	TSBus	030D0001	Left atrial diameter	SRT	T-35400	Aortic Valve							SRT	F-32011	End Diastole			
0431		ET	LN	18041-4	Aortic Valve Ejection Time	SRT	T-35400	Aortic Valve	SRT	G-0394	M mode				SRT	F-32020	Systole			
0433		AoV Diam	LN	17996-0	Aortic Valve Cusp Separation	SRT	T-35400	Aortic Valve	SRT	G-0394	M mode				DCM	109070	End Systole			
0435		LA/Ao	LN	17985-3	Left Atrium to Aortic Root Ratio	SRT	T-35400	Aortic Valve	SRT	G-0394	M mode									

Table 8.1-41
Cardiac M-Mode Mitral Valve measurement

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0437		EPSS	LN	18036-4	Mitral Valve EPSS, E wave	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									
0439		EF Slope	LN	18040-6	Mitral Valve E-F Slope by M-Mode	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									
0441		CE Amp	TSBus	030F0002	E-wave amplitude	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									
0443		CA Amp	TSBus	030F0003	A-wave amplitude	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									
0445		DE Amp	TSBus	030F0001	DE-wave amplitude	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									
0447		DE Slope	TSBus	030F0000	Mitral valve opening rate	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									
0449		CA/CE	LN	18038-0	Mitral Valve E to A Ratio	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									
1170		MAPSE	TSBus	030F0004	Mitral annular plane systolic excursion	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									

Table 8.1-42
Cardiac M-Mode LV measurement (Teichholz method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0506	4Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0511		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0517		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz
0523		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0510	3Section	IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0516		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz
0522		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0528		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
0532		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
0536		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
0453		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz
0451	1Section	ET	DCM	122211	Left Ventricular ejection time	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0509		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0505		RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0515		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0521		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0527		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
0531		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
0535		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
0455		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz
0457		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz
0459		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0461		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0463		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz
0465		FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode									
0467		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0469		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0471		MVCF	TSBus	031B0000	M_LV_MVCFS	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode									
0473		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030002	Mass ASECube with Teichholz
0475		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030003	Mass PennCube with Teichholz

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0477		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030004	Mass Teichholz with Teichholz
0479		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030005	Mass AVCube with Teichholz
0481		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030002	Mass ASECube with Teichholz
0483		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030003	Mass PennCube with Teichholz
0485		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030004	Mass Teichholz with Teichholz
0487		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030005	Mass AVCube with Teichholz
0489		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030002	Mass ASECube with Teichholz
0491		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030003	Mass PennCube with Teichholz
0493		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030004	Mass Teichholz with Teichholz
0495		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030005	Mass AVCube with Teichholz
0497		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030002	Mass ASECube with Teichholz
0499		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030003	Mass PennCube with Teichholz

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0501		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030004	Mass Teichholz with Teichholz
0503		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030005	Mass AVCube with Teichholz
1298		RWT	TSBus	0340000B	Relative wall thickness	SRT	T-32600	Left Ventricle										SRT	G-D750	Ratio

Table 8.1-43
Cardiac M-Mode LV measurement (Cube method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0594	4Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0599		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0605		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
0611		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0598	3Section	IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0604		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
0610		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0616		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
0620		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
0624		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
0541		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
0539	1Section	ET	DCM	122211	Left Ventricular ejection time	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0593		RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0597		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0603		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
0609		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0615		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
0619		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
0623		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
0543		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
0545		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
0547		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0549		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0551		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
0553		FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode									
0555		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0557		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0559		MVCF	TSBus	031B0000	M_LV_MVCFS	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode									
0561		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030006	Mass ASECube with Cube
0563		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030007	Mass PennCube with Cube
0565		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030008	Mass Teichholz with Cube

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0567		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030009	Mass AVCube with Cube
0569		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030006	Mass ASECube with Cube
0571		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030007	Mass PennCube with Cube
0573		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030008	Mass Teichholz with Cube
0575		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030009	Mass AVCube with Cube
0577		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030006	Mass ASECube with Cube
0579		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030007	Mass PennCube with Cube
0581		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030008	Mass Teichholz with Cube
0583		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030009	Mass AVCube with Cube
0585		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030006	Mass ASECube with Cube
0587		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030007	Mass PennCube with Cube
0589		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030008	Mass Teichholz with Cube

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0591		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030009	Mass AVCube with Cube
1298		RWT	TSBus	0340000B	Relative wall thickness	SRT	T-32600	Left Ventricle										SRT	G-D750	Ratio

Table 8.1-44
Cardiac M-Mode LV measurement (Gibson method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0682	4Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0687		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0693		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method
0699		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0686	3Section	IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0692		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method
0698		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0704		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0708		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0712		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0629		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method
0681	1Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0627		ET	DCM	122211	Left Ventricular ejection time	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0685		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0691		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0697		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0703		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0707		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0711		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0631		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method
0633		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method
0635		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0637		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0639		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method
0641		FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode									
0643		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0645		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0647		MVCF	TSBus	031B0000	M_LV_MVCFS	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode									
0649		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000A	Mass ASECube with Gibson
0651		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000B	Mass PennCube with Gibson
0653		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000C	Mass Teichholz with Gibson

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0655		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000D	Mass AVCube with Gibson
0657		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000A	Mass ASECube with Gibson
0659		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000B	Mass PennCube with Gibson
0661		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000C	Mass Teichholz with Gibson
0663		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000D	Mass AVCube with Gibson
0665		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000A	Mass ASECube with Gibson
0667		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000B	Mass PennCube with Gibson
0669		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000C	Mass Teichholz with Gibson
0671		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000D	Mass AVCube with Gibson
0673		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000A	Mass ASECube with Gibson
0675		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000B	Mass PennCube with Gibson
0677		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000C	Mass Teichholz with Gibson
0679		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000D	Mass AVCube with Gibson

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1298		RWT	TSBus	0340000B	Relative wall thickness	SRT	T-32600	Left Ventricle										SRT	G-D750	Ratio

Table 8.1-45
Cardiac M-Mode Tricuspid Valve measurement

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1172		TAPSE	TSBus	03290000	Tricuspid annular plane systolic excursion	SRT	T-35100	Tricuspid Valve	SRT	G-0394	M mode									

Table 8.1-46
Cardiac Doppler-Mode Aortic Valve measurement

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0715		AoV VTI	LN	20354-7	Velocity Time Integral	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0716		AoV VM	LN	20352-1	Mean Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0717		AoV VP	LN	11726-7	Peak Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0718		AoV MPG	DCM	122197	Gradient pressure, average	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0719		AoV PPG	DCM	122198	Gradient pressure, peak	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0725		LVOT VTI	LN	20354-7	Velocity Time Integral	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0726		LVOT VM	LN	20352-1	Mean Velocity	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0727		LVOT VP	LN	11726-7	Peak Velocity	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0728		LVOT MPG	DCM	122197	Gradient pressure, average	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0729		LVOT PPG	DCM	122198	Gradient pressure, peak	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0735		LVOT Diam	SRT	G-038F	Cardiovascular Orifice Diameter	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	DCM	109070	End Systole						
0737		AcT	LN	20168-1	Acceleration Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode									
0739		ET	LN	18041-4	Aortic Valve Ejection Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						
0741		AoV Vel	LN	11653-3	End Diastolic Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode				SRT	R-42047	Antegrade Flow			
0742		AoV PG	LN	20247-3	Peak Gradient	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0745		LVOT Vel	LN	11653-3	End Diastolic Velocity	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode				SRT	R-42047	Antegrade Flow			
0746		LVOT PG	LN	20247-3	Peak Gradient	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0749		AR VM	LN	20352-1	Mean Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0750		AR VP	LN	11726-7	Peak Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0751		AR MPG	DCM	122197	Gradient pressure, average	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
0752		AR PPG	DCM	122198	Gradient pressure, peak	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
1171		AR VTI	LN	20354-7	Velocity Time Integral	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0757		AR Vmax	TSBus	03070006	AR Vmax	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0758		AR Ved	TSBus	03070007	AR Ved	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0759		Time	LN	20217-6	Deceleration Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0760		DecelRate	LN	20216-8	Deceleration Slope	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0761		AR PGmax	TSBus	03070008	AR PGmax	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0762		AR PGed	TSBus	03070009	AR PGed	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0769		Ao Diam	LN	18015-8	Aortic Root Diameter	SRT	T-35400	Aortic Valve	SRT	G-03A2	2D mode	DCM	109070	End Systole						
0771		LA Diam	TSBus	030D0001	Left atrial diameter	SRT	T-35400	Aortic Valve	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole						
0773		HR	LN	8867-4	Heart rate	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode									

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0775		LVOT SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						
0777		LVOT CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						
0779		LVOT SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						
0781		LVOT CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						
0783		AoV Area	SRT	F-0231F	Aortic Valve Area	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole				DCM	125215	Continuity Equation by Velocity Time Integral
0785		AoV Area Index	TSBus	03070000	AoV Area Index	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole				DCM	125215	Continuity Equation by Velocity Time Integral
0787		LA/Ao	LN	17985-3	Left Atrium to Aortic Root Ratio	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode									
0789		PHT	LN	20280-4	Pressure Half-Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode									
0791		Qp/Qs (SV)	LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio	SRT	P5-30031	Cardiac Shunt Study	TSBus	03210001	Doppler mode							TSBus	0307000B	Equation by Stroke volume
0793		Qp/Qs (CO)	LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio	SRT	P5-30031	Cardiac Shunt Study	TSBus	03210001	Doppler mode							TSBus	0307000C	Equation by Cardiac Output
0795		AcT/ET	SRT	G-0382	Ratio of Aortic Valve Acceleration Time to Ejection Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode									
0797		RF (AoV)	SRT	G-0390	Regurgitant Fraction	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode				SRT	R-42E61	Regurgitant Flow			
0799		R Vol (AoV)	TSBus	0309000D	Regurgitation volume	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode				SRT	R-42E61	Regurgitant Flow			
0801		LVOT/AoV (VP)	TSBus	03070001	LVOT/AoV (VP)	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0803		LVOT/AoV (VTI)	TSBus	03070002	LVOT/AoV (VTI)	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						
0805		LVOT/AoV (Vel)	TSBus	03070003	LVOT/AoV (Vel)	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						

Table 8.1-47
Cardiac Doppler-Mode Mitral Valve measurement

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0807		A' lat	TSBus	03090004	Myocardial Velocity of A' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
1301		MV s' Vel lat	TSBus	03400071	Myocardial Velocity of S' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0809		E' sep	TSBus	0309000E	Myocardial Velocity of E' sep	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0811		A' sep	TSBus	0309000F	Myocardial Velocity of A' sep	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
1300		MV s' Vel sep	TSBus	03400070	Myocardial Velocity of S' sep	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0813		E Dur	TSBus	03090001	Mitral Valve E-wave duration	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0815		A Dur	SRT	G-0385	Mitral Valve A-Wave Duration	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0817		IVRT	TSBus	03090002	Isovelocity relaxation time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode												
0819		MV VTI	LN	20354-7	Velocity Time Integral	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0820		MV VP	LN	11726-7	Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0821		MV VM	LN	20352-1	Mean Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0822		MV PPG	DCM	122198	Gradient pressure, peak	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0823		MV MPG	DCM	122197	Gradient pressure, average	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0829		MV DistA	SRT	G-038F	Cardiovascular Orifice Diameter	SRT	T-35300	Mitral Valve	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32010	Diastole						
0831		MV DistB	SRT	G-038F	Cardiovascular Orifice Diameter	SRT	T-35300	Mitral Valve	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32010	Diastole						
0833		MV Area (2D)	SRT	F-02320	Mitral Valve Area	SRT	T-35300	Mitral Valve	SRT	G-03A2	2D mode				SRT	F-32010	Diastole				DCM	125220	Planimetry
0835		HR	LN	8867-4	Heart rate	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode												
0837		E/A	LN	18038-0	Mitral Valve E to A Ratio	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0839		A/E	TSBus	03090000	Mitral Valve A to E Ratio	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0843		MV SV	SRT	F-32120	Stroke Volume	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0845		MV CO	SRT	F-32100	Cardiac Output	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0847		MV SI	SRT	F-00078	Stroke Index	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0849		MV CI	SRT	F-32110	Cardiac Index	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0851		MVArea PHT	SRT	F-02320	Mitral Valve Area	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole				DCM	125210	Area by Pressure Half-Time
0884		dP/dt	LN	18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg. velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
0855		RF (MV)	SRT	G-0390	Regurgitant Fraction	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode							SRT	R-42E61	Regurgitant Flow			
0857		R Vol (MV)	TSBus	0309000D	Regurgitation volume	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode							SRT	R-42E61	Regurgitant Flow			

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0859		Diff A Dur	TSBus	0309000C	Diff A Dur	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode												
0861		E' Vel	TSBus	03090010	Mean Myocardial Velocity of E' sep and E' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0863		A' Vel	TSBus	03090011	Mean Myocardial Velocity of A' sep and A' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
1302		S' Vel	TSBus	03400075	Mean Myocardial Velocity of S' sep and S' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0865		E/E' sep	TSBus	03090012	Ratio of Mitral Valve E to E' sep	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0867		E/E' lat	TSBus	03090014	Ratio of Mitral Valve E to E' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0869		E/E'	TSBus	03090013	Ratio of Mitral Valve E to E'	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0871		E Vel	LN	18037-2	Mitral Valve E-Wave Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0872		E Vel (EPeakVmax_DCT)	LN	18037-2	Mitral Valve E-Wave Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0873		E Vel (EPeakVmax_DCTPHT)	LN	18037-2	Mitral Valve E-Wave Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0875		A Vel	LN	17978-8	Mitral Valve A-Wave Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0877		E' lat	TSBus	03090003	Myocardial Velocity of E' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0878		DcT	SRT	G-0384	Mitral Valve E-Wave Deceleration Time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0879		DcT (EPeakVmax_DCT)	SRT	G-0384	Mitral Valve E-Wave Deceleration Time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0880		DcT (EPeakVmax_DCTPHT)	SRT	G-0384	Mitral Valve E-Wave Deceleration Time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0882		PHT	LN	20280-4	Pressure Half-Time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0883		PHT (EPeakVmax_DCTPHT)	LN	20280-4	Pressure Half-Time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0885		dP/dt (DPDTM1M3)	LN	18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg. velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
0886		Vel1	TSBus	03090009	D_MV_DPDTM1M3_s_MCR_VELOCITY_1	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0887		Vel1 (DPDTM1M3)	TSBus	03090009	D_MV_DPDTM1M3_s_MCR_VELOCITY_1	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0888		Vel2	TSBus	0309000A	D_MV_DPDTM1M3_s_MCR_VELOCITY_2	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0889		Vel2 (DPDTM1M3)	TSBus	0309000A	D_MV_DPDTM1M3_s_MCR_VELOCITY_2	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0890		dt	TSBus	03090008	D_MV_DPDTM1M3_s_MCR_TIME	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0891		dt(DPDTM1M3)	TSBus	03090008	D_MV_DPDTM1M3_s_MCR_TIME	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						

Table 8.1-48
Cardiac Doppler-Mode Pulmonary vein blood flow waveform measurement

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0913		S1 Vel	TSBus	03130001	S1-wave velocity	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0915		S2 Vel	LN	29450-4	Pulmonary Vein Systolic Peak Velocity	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0917		D Vel	LN	29451-2	Pulmonary Vein Diastolic Peak Velocity	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0919		DcT	LN	20217-6	Deceleration Time	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0921		PVA Vel	TSBus	03130002	AR-wave velocity	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode												
0923		PVA Dur	SRT	G-038B	Pulmonary Vein A-Wave Duration	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode												
0925		S VTI	SRT	G-038C	Pulmonary Vein S-Wave Velocity Time Integral	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0927		D VTI	SRT	G-038D	Pulmonary Vein D-Wave Velocity Time Integral	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0929		S/D	LN	29452-0	Pulmonary Vein Systolic to Diastolic Ratio	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode												
0931		Sys.Fract	TSBus	03130000	PVein_SF	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode												

Table 8.1-49
Cardiac Doppler-Mode Tricuspid Valve measurement

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0935		TV E Vel	LN	18031-5	Tricuspid Valve E Wave Peak Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0937		TV A Vel	LN	18030-7	Tricuspid Valve A Wave Peak Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0939		TV DcT	LN	20217-6	Deceleration Time	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0941		TV VTI d	LN	20354-7	Velocity Time Integral	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0942		TV VP d	LN	11726-7	Peak Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0943		TV VM d	LN	20352-1	Mean Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0944		TV PPG d	DCM	122198	Gradient pressure, peak	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0945		TV MPG d	DCM	122197	Gradient pressure, average	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0951		TR VTI s	LN	20354-7	Velocity Time Integral	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
0952		TR VP s	LN	11726-7	Peak Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
0953		TR VM s	LN	20352-1	Mean Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
0954		TR PPG s	DCM	122198	Gradient pressure, peak	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
0955		TR MPG s	DCM	122197	Gradient pressure, average	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
0961		TR Vmax	TSBus	03150001	MaximumTricuspid Valve regurgitation velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0962		TR PGmax	TSBus	03150002	MaximumTricuspid Valve regurgitation pressure gradient	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
0965		RA Press	SRT	F-03DE9	Right Atrial Pressure	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode												
0967		RVs Press	SRT	F-03DFE	Right Ventricular Systolic Pressure	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode												
0969		E/A	LN	18039-8	Tricuspid Valve E to A Ratio	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode												
0971		A/E	TSBus	03150000	Tricuspid Valve A to E ratio	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode												
1303		RV e' Vel	TSBus	03400072	Right Ventricle Velocity of E' sep	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
1304		RV a' Vel	TSBus	03400073	Right Ventricle Velocity of A' sep	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
1305		RV s' Vel	TSBus	03400074	Right Ventricle Velocity of S' sep	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						

Table 8.1-50
Cardiac Doppler-Mode Pulmonary Valve measurement

Meas. No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0973		PV VTI	LN	20354-7	Velocity Time Integral	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0974		PV VP	LN	11726-7	Peak Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0975		PV VM	LN	20352-1	Mean Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0976		PV PPG	DCM	122198	Gradient pressure, peak	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0977		PV MPG	DCM	122197	Gradient pressure, average	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0983		PV Diam	SRT	M-02550	Diameter	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0985		HR	LN	8867-4	Heart rate	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode												
0987		RV PEP	TSBus	030B0002	Doppler-mode time measurement	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode												
0989		RV AcT	LN	20168-1	Acceleration Time	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode												
0991		RV ET	DCM	122213	Right Ventricular Ejection Time	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0993		PR VTI	LN	20354-7	Velocity Time Integral	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0994		PR VP	LN	11726-7	Peak Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0995		PR VM	LN	20352-1	Mean Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0996		PR PPG	DCM	122198	Gradient pressure, peak	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
0997		PR MPG	DCM	122197	Gradient pressure, average	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli

Meas. No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1003		PR Ved	LN	11653-3	End Diastolic Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode							SRT	R-42E61	Regurgitant Flow			
1004		PR PGed	TSBus	030B0003	Pressure gradient on PV regurgitation waveform	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32011	End Diastole	SRT	R-42E61	Regurgitant Flow			
1007		PV Vmax	TSBus	030B0006	PV Vmax	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Diastole	SRT	R-42047	Antegrade Flow			
1008		PV PGmax	TSBus	030B0007	PV PGmax	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
1011		RA Press	SRT	F-03DE9	Right Atrial Pressure	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode												
1013		AcT/ET	SRT	G-0388	Ratio of Pulmonic Valve Acceleration Time to Ejection Time	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode												
1015		STI	TSBus	030B0000	P_HT_STI	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode												
1017		PV SV	SRT	F-32120	Stroke Volume	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
1019		PV CO	SRT	F-32100	Cardiac Output	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
1021		PV SI	SRT	F-00078	Stroke Index	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
1023		PV CI	SRT	F-32110	Cardiac Index	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
1029		PAs Press	TSBus	030B0001	P_HT_PAPed	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode												
1279		IVC insp	LN	18006-7	Inferior Vena Cava Diameter	SRT	T-48710	Inferior vena cava	SRT	G-03A2	2D mode				SRT	F-20010	Inspiration						
1278		IVC exp	LN	18006-7	Inferior Vena Cava Diameter	SRT	T-48710	Inferior vena cava	SRT	G-03A2	2D mode				SRT	F-20020	Expiration						
1280		RAP	SRT	F-03DE9	Right Atrial Pressure	SRT	T-32200	Right Atrium	SRT	G-03A2	2D mode										DCM	125315	Calculated

Meas. No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1281		RVSP	SRT	F-03DFE	Right Ventricular Systolic Pressure	SRT	T-32500	Right Ventricle	SRT	P0-02241	Power Doppler										DCM	125315	Calculated

Table 8.1-51
Extra Measurements LV Mass AL (Area-Length)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1031		A epi	TSBus	03400006	Epicardium area	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1033		A endo	TSBus	03400007	Endocardium area	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1035		LVL	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1037		t	TSBus	03400001	myocardial thickness	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1039		LV Mass	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1041		MassIdx	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						

Table 8.1-52
Extra Measurements LV Mass TE (Truncated Ellipsoid)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1043		A epi	TSBus	03400006	Epicardium area	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1045		A endo	TSBus	03400007	Endocardium area	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1047		a	TSBus	03230000	B_LV_LenSMA_d	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1049		d	TSBus	03230003	B_LV_LenTSMA_d	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1051		t	TSBus	03400001	myocardial thickness	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole				DCM	125222	Left Ventricle Mass by Truncated Ellipse
1053		LV Mass	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole				DCM	125222	Left Ventricle Mass by Truncated Ellipse
1055		MassIdx	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						

Table 8.1-53
Extra Measurements PISA

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1057		Radius	TSBus	03250001	Radius	SRT	T-32600	Left Ventricle															
1059		Alias Vel	TSBus	03250002	Alias Velocity	SRT	T-32600	Left Ventricle															
1061		VP	LN	11726-7	Peak Velocity	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow			
1062		VTI	LN	20354-7	Velocity Time Integral	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow			
1063		PPG	DCM	122198	Gradient pressure, peak	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
1064		MPG	DCM	122197	Gradient pressure, average	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
1069		Flow Rate	LN	34141-2	Peak Instantaneous Flow Rate	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow			
1071		EOArea	TSBus	03250003	Effective Opening area	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow	DCM	125216	Proximal Isovelocity Surface Area
1073		FlowVol	LN	33878-0	Volume flow	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow			

Table 8.1-54
Extra Measurements Coronary

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1075		RCA Base Vel	TSBus	0327000B	Flow velocity before loading	TSBus	3270000	Right Coronary Artery															
1077		RCA Hyper Vel	TSBus	0327000C	Flow velocity after loading	TSBus	3270000	Right Coronary Artery													TSBus	03270011	Coronary Vasodilation
1079		(RCA) VP base	LN	11726-7	Peak Velocity	TSBus	3270000	Right Coronary Artery															
1080		(RCA) VM base	LN	20352-1	Mean Velocity	TSBus	3270000	Right Coronary Artery															
1081		(RCA) DcT (base)	LN	20217-6	Deceleration Time	TSBus	3270000	Right Coronary Artery															
1082		(RCA) PHT (base)	LN	20280-4	Pressure Half-Time	TSBus	3270000	Right Coronary Artery															
1087		(RCA) VP Hyper	LN	11726-7	Peak Velocity	TSBus	3270000	Right Coronary Artery													TSBus	03270011	Coronary Vasodilation
1088		(RCA) VM Hyper	LN	20352-1	Mean Velocity	TSBus	3270000	Right Coronary Artery													TSBus	03270011	Coronary Vasodilation
1089		(RCA) DcT (Hyper)	LN	20217-6	Deceleration Time	TSBus	3270000	Right Coronary Artery													TSBus	03270011	Coronary Vasodilation
1090		(RCA) PHT (Hyper)	LN	20280-4	Pressure Half-Time	TSBus	3270000	Right Coronary Artery													TSBus	03270011	Coronary Vasodilation
1095		(RCA) CFR Vel Ratio	TSBus	0327000D	Vel hyper/Vel base	TSBus	3270000	Right Coronary Artery															
1097		(RCA) CFR VP Ratio	TSBus	0327000E	VP hyper/VP base	TSBus	3270000	Right Coronary Artery															
1099		(RCA) CFR VM Ratio	TSBus	0327000F	VM hyper/VM base	TSBus	3270000	Right Coronary Artery															
1101		(LAD) Vel Base	TSBus	0327000B	Flow velocity before loading	TSBus	3270001	Left Anterior Descending Coronary Artery															

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1103		(LAD) Vel Hyper	TSBus	0327000C	Flow velocity after loading	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation
1105		(LAD) VP base	LN	11726-7	Peak Velocity	TSBus	3270001	Left Anterior Descending Coronary Artery															
1106		(LAD) VM base	LN	20352-1	Mean Velocity	TSBus	3270001	Left Anterior Descending Coronary Artery															
1107		(LAD) DcT (base)	LN	20217-6	Deceleration Time	TSBus	3270001	Left Anterior Descending Coronary Artery															
1108		(LAD) PHT (base)	LN	20280-4	Pressure Half-Time	TSBus	3270001	Left Anterior Descending Coronary Artery															
1113		(LAD) VP Hyper	LN	11726-7	Peak Velocity	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation
1114		(LAD) VM Hyper	LN	20352-1	Mean Velocity	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation
1115		(LAD) DcT (Hyper)	LN	20217-6	Deceleration Time	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation
1116		(LAD) PHT (Hyper)	LN	20280-4	Pressure Half-Time	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation
1121		(LAD) CFR Vel Ratio	TSBus	0327000D	Vel hyper/Vel base	TSBus	3270001	Left Anterior Descending Coronary Artery															
1123		(LAD) CFR VP Ratio	TSBus	0327000E	VP hyper/VP base	TSBus	3270001	Left Anterior Descending Coronary Artery															
1125		(LAD) CFR VM Ratio	TSBus	0327000F	VM hyper/VM base	TSBus	3270001	Left Anterior Descending Coronary Artery															

Table 8.1-55
2D WMT LV

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method			Target Site			Trace Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1225		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125207	Method of Disks, Biplane				TSBus	03500002	2D Wall Motion Tracking
1226		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125207	Method of Disks, Biplane				TSBus	03500002	2D Wall Motion Tracking
1227		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125207	Method of Disks, Biplane				TSBus	03500002	2D Wall Motion Tracking
1228		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125207	Method of Disks, Biplane				TSBus	03500002	2D Wall Motion Tracking
1229		LVLd Diff	TSBus	03010000	LV_Ldiff_d_BP MOD	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125207	Method of Disks, Biplane				TSBus	03500002	2D Wall Motion Tracking
1230		LVLs Diff	TSBus	03010001	LV_Ldiff_s_BP MOD	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125207	Method of Disks, Biplane				TSBus	03500002	2D Wall Motion Tracking
1231		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1282		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking
1232		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Systole	DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1283		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Diastole	DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method			Target Site			Trace Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1233		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber				DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1284		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber				DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking
1234		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1285		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking
1235		LVLd	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1286		LVLd	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking
1236		LVLs	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Systole	DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1287		LVLs	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking
1237		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1288		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks,				TSBus	03500002	2D Wall Motion Tracking

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method			Target Site			Trace Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
																				Single Plane						
1238		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole	DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1289		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking
1239		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber				DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1290		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber				DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking
1240		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1291		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking
1241		LVLd	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1292		LVLd	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking
1242		LVLs	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole	DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method			Target Site			Trace Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1293		LVLs	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking
1243		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32011	End Diastole	DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1294		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking
1244		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	DCM	109070	End Systole	DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1295		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking
1245		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis				DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1296		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis				DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking
1246		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane				TSBus	03500002	2D Wall Motion Tracking
1297		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane				TSBus	03500002	2D Wall Motion Tracking
1247		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0397	Parasternal short axis	SRT	F-32011	End Diastole	DCM	125209	Teichholz	SRT	R-4081A	Middle	TSBus	03500002	2D Wall Motion Tracking

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method			Target Site			Trace Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1248		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0397	Parasternal short axis	DCM	109070	End Systole	DCM	125209	Teichholz	SRT	R-4081A	Middle	TSBus	03500002	2D Wall Motion Tracking
1249		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0397	Parasternal short axis				DCM	125209	Teichholz	SRT	R-4081A	Middle	TSBus	03500002	2D Wall Motion Tracking
1250		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0397	Parasternal short axis				DCM	125209	Teichholz	SRT	R-4081A	Middle	TSBus	03500002	2D Wall Motion Tracking
1251		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0397	Parasternal short axis	SRT	F-32011	End Diastole	DCM	125209	Teichholz	SRT	G-A123	Basal	TSBus	03500002	2D Wall Motion Tracking
1252		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0397	Parasternal short axis	DCM	109070	End Systole	DCM	125209	Teichholz	SRT	G-A123	Basal	TSBus	03500002	2D Wall Motion Tracking
1253		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0397	Parasternal short axis				DCM	125209	Teichholz	SRT	G-A123	Basal	TSBus	03500002	2D Wall Motion Tracking
1254		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0397	Parasternal short axis	SRT	F-32020	Systole	DCM	125209	Teichholz	SRT	G-A123	Basal	TSBus	03500002	2D Wall Motion Tracking

Table 8.1-56
SR DOCUMENT CONTENT MODULE OF CREATED ENHANCED/COMPREHENSIVE SR SOP INSTANCES FOR OB-GYN ULTRASOUND PROCEDURE REPORT TEMPLATE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)	SH	125000	ALWAYS	AUTO
>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>Code Meaning	(0008,0104)	LO	OB-GYN Ultrasound Procedure Report	ALWAYS	AUTO
Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
Content Template Sequence	(0040,A504)	SQ		ALWAYS	AUTO
>Template Identifier	(0040,DB00)	CS	5000	ALWAYS	AUTO
>Mapping Resource	(0008,0105)	CS	DCMR	ALWAYS	AUTO
Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121049	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Language of Content Item and descendants	ALWAYS	AUTO
>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO
>>Code value	(0008,0100)	SH	eng	ALWAYS	AUTO
>>Coding Scheme designator	(0008,0102)	SH	ISO639_2	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	English	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS OBS CONTEXT	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121005	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Observer Type	ALWAYS	AUTO
>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO
>>Code value	(0008,0100)	SH	121007	ALWAYS	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>Coding Scheme designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Device	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121118	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Patient Characteristics	ALWAYS	AUTO
>Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	TEXT	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	121106	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Comment	ALWAYS	AUTO
>>Text Value	(0040,A160)	UT		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	11996-6	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO	Gravida	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH		ANAP	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH		ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO		ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	11977-6	ANAP	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO	Para	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH		ANAP	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH		ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO		ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	8302-2	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Patient Height	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	m	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	UCUM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	meter	ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	29463-7	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Patient Weight	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	kg	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	UCUM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	kg	ANAP	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>Numeric Value	(0040,A30A)	DS		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	TEXT	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	121114	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Performing Physician	ANAP	AUTO
>>>Text Value	(0040,A160)	UT		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	TEXT	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	C1709880	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	UMLS	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Referring Physician	ANAP	AUTO
>>>Text Value	(0040,A160)	UT		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	TEXT	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	309343006	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SCT	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Physician	ANAP	AUTO
>>>Text Value	(0040,A160)	UT		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	DATE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	111060	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Study Date	ANAP	AUTO
>>>Date	(0040,A121)	DA		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	TIME	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	111061	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>>Code Meaning	(0008,0104)	LO	Study Time	ANAP	AUTO
>>>Date	(0040,A122)	TM		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>Code Value	(0008,0100)	SH	111028	ANAP	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO
>>Code Meaning	(0008,0104)	LO	Image Library	ANAP	AUTO
>>Referenced SOP Sequence	(0008,1199)	SQ		ALWAYS	AUTO
>>>Referenced SOP Class UID	(0008,1150)	UI		ALWAYS	AUTO
>>>Referenced SOP Instance UID	(0008,1155)	UI		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	IMAGE	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH			
>>Coding Scheme Designator	(0008,0102)	SH			
>>Code Meaning	(0008,0104)	LO			
>Continuity of Content	(0040, A050)	CS	SEPARATE	ALWAYS	AUTO
>Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	G-C0E3	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Finding Site	ALWAYS	AUTO

CSD	CV	CM	Concept Name
DCM	121111	Summary	DTID 5002
DCM	125001	Fetal Biometry Ratios	DTID 5004
DCM	125002	Fetal Biometry	DTID 5005
DCM	125003	Fetal Long Bones	DTID 5006
DCM	125004	Fetal Cranium	DTID 5007
DCM	121070	Findings	DTID 5010 DTID 5025 DTID 5026
DCM	125009	Early Gestation	DTID 5011
DCM	125011	Pelvis and Uterus	DTID 5015

<table>
<tr><th>Attribute Name</th><th>Tag</th><th>VR</th><th colspan="4">Value</th><th>Presence of Value</th><th>Source</th></tr>
<tr><td>>>Concept Code Sequence</td><td>(0040,A043)</td><td>SQ</td><td colspan="4"></td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td rowspan="6">>>>Code Value

>>>Coding Scheme Designator

>>>Code Meaning</td><td rowspan="6">(0008,0100)

(0008,0102)

(0008,0104)</td><td rowspan="6">SH

SH

LO</td><td>CSD</td><td>CV</td><td>CM</td><td colspan="2">Concept Name</td></tr>
<tr><td>SRT</td><td>T-F1300</td><td>Amniotic Sac</td><td colspan="2">DTID 5010</td></tr>
<tr><td>SRT</td><td>T-87000</td><td>Ovary</td><td colspan="2">DTID 5012</td></tr>
<tr><td>SRT</td><td>T-87600</td><td>Ovarian Follicle</td><td colspan="2">DTID 5013</td></tr>
<tr><td>SRT</td><td>T-F6800</td><td>Embryonic Vascular Structure</td><td colspan="2">DTID 5025</td></tr>
<tr><td>SRT</td><td>T-D6007</td><td>Pelvic Vascular Structure</td><td colspan="2">DTID 5026</td></tr>
<tr><td colspan="9">Child Containers are continuing depending on Concept DTID.</td></tr>
</table>

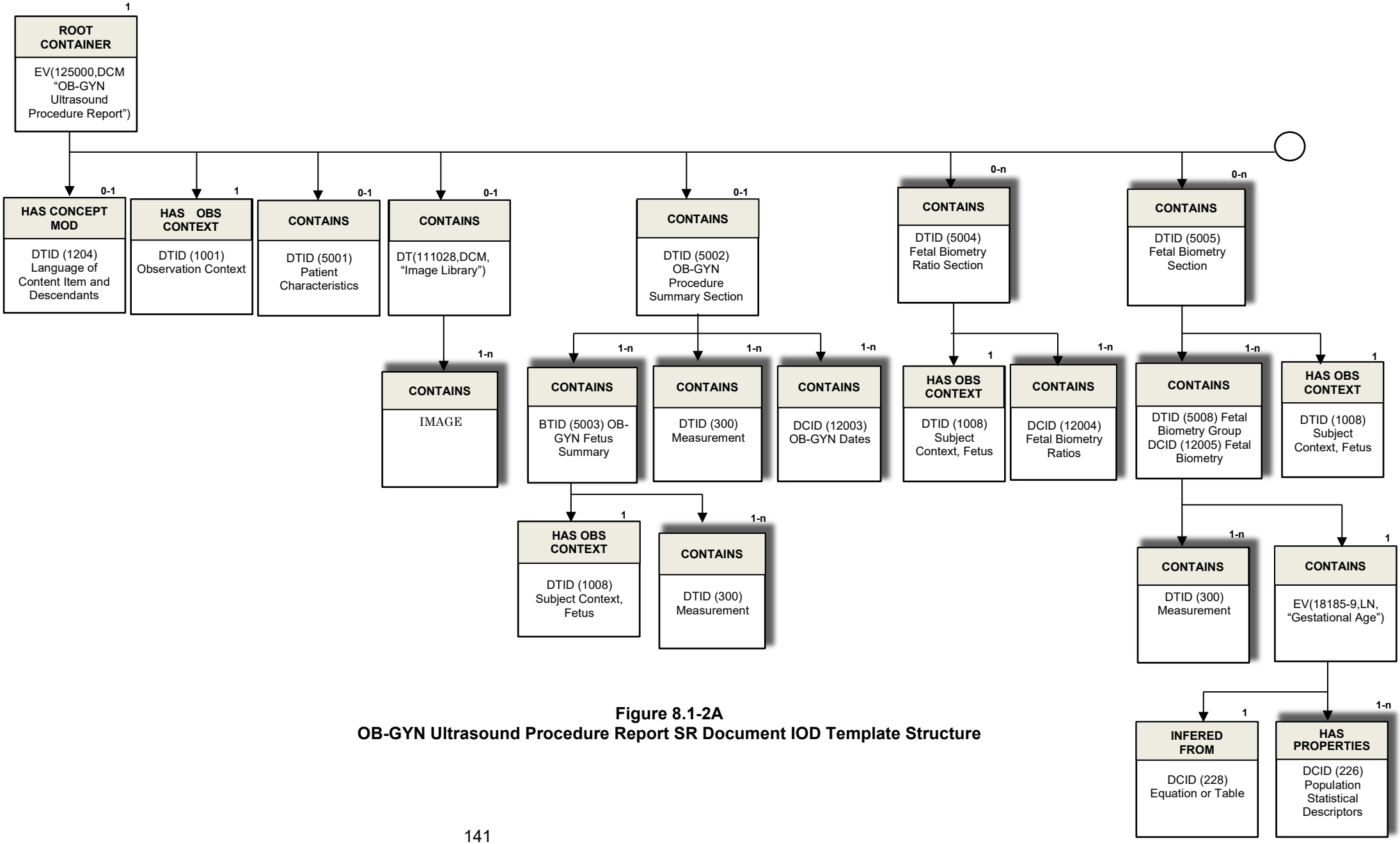
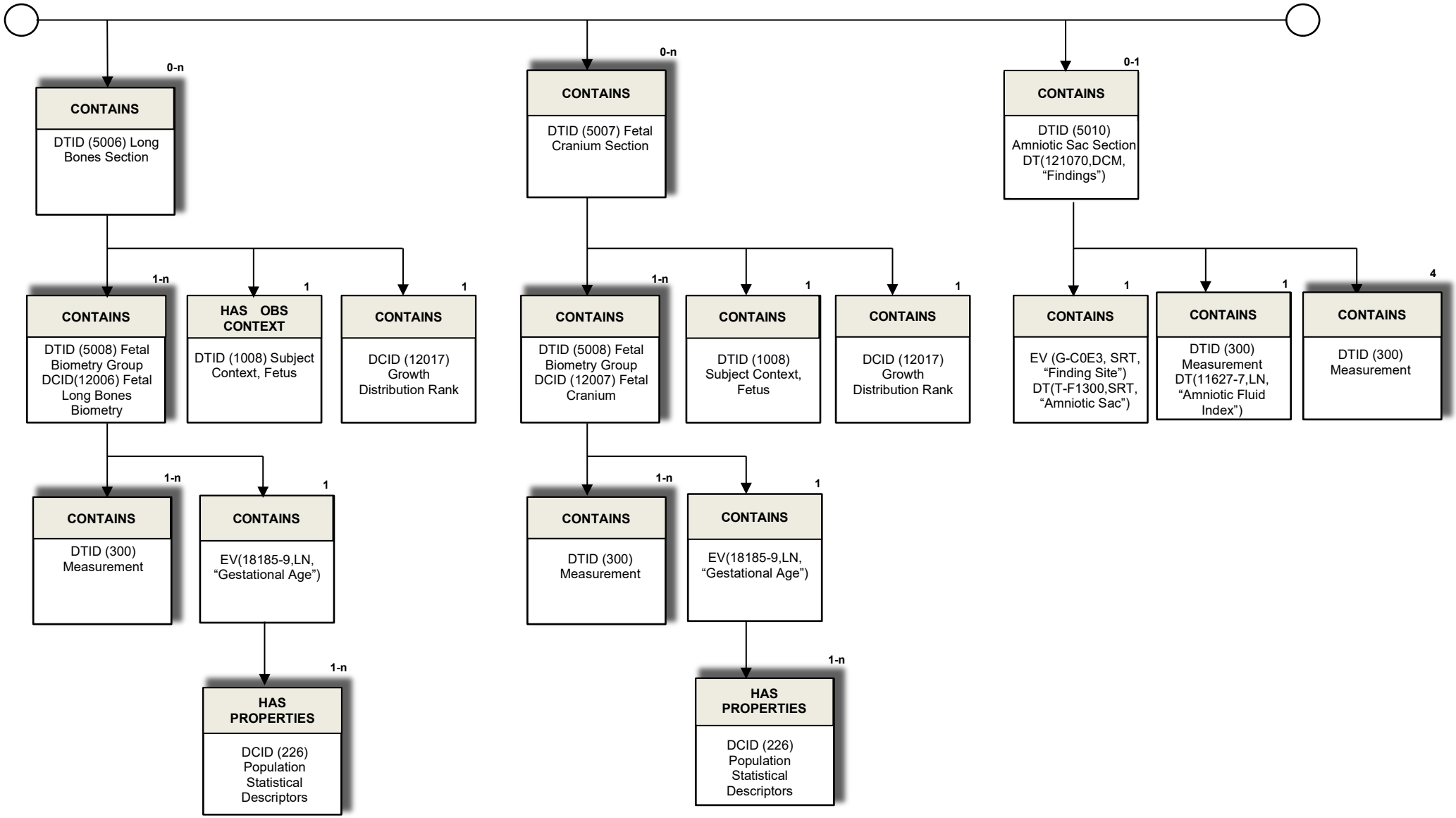
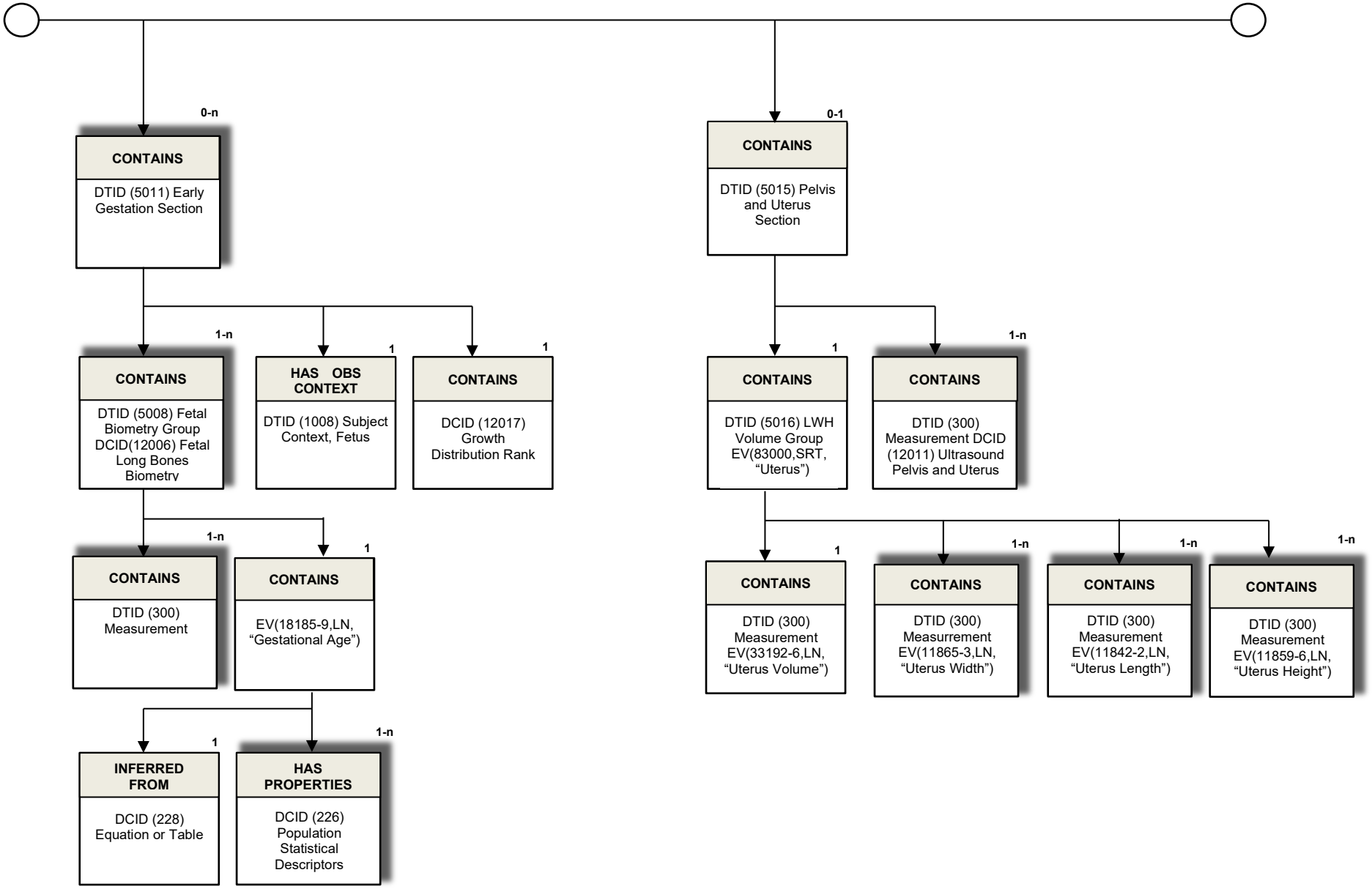


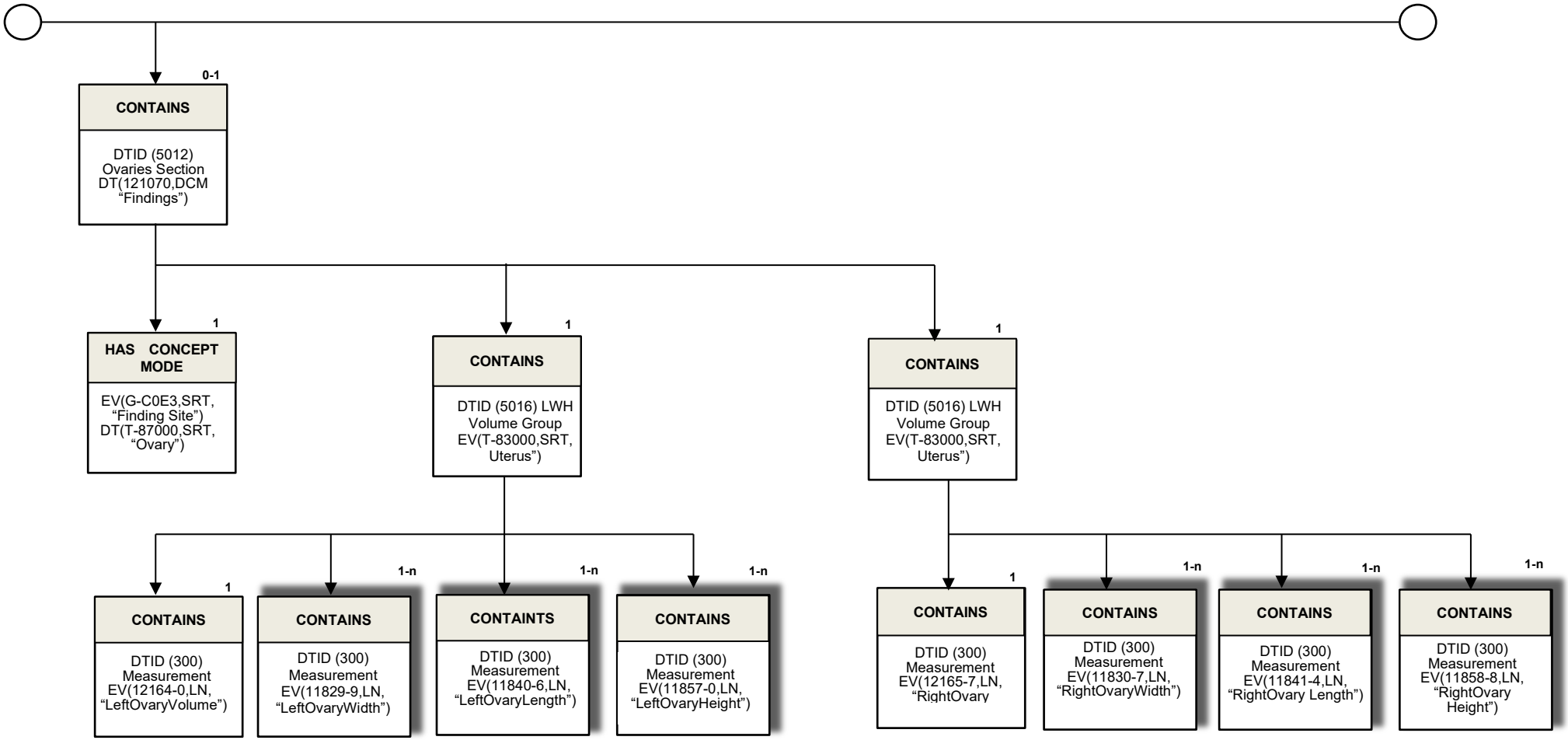
Figure 8.1-2A
OB-GYN Ultrasound Procedure Report SR Document IOD Template Structure



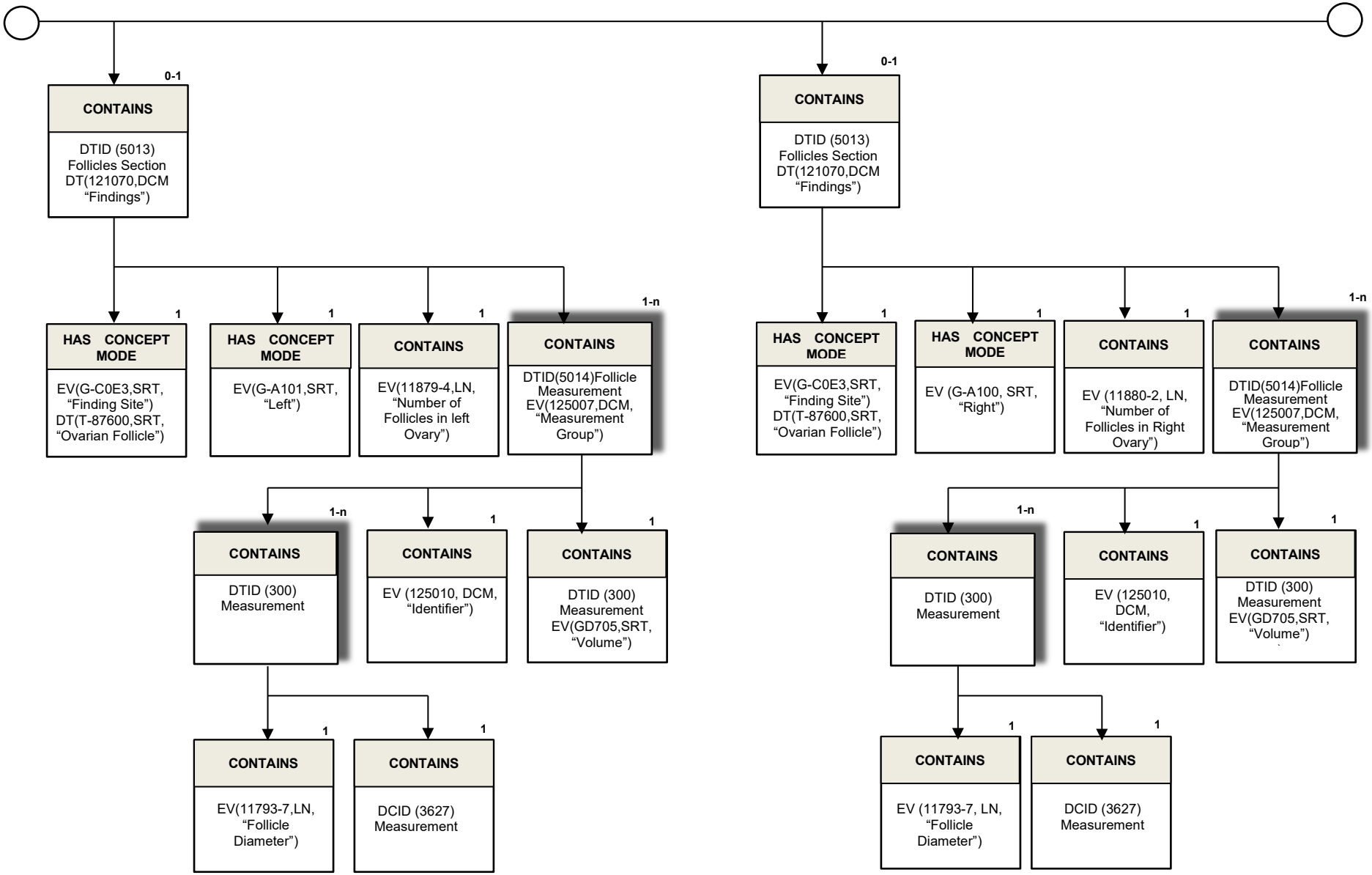
(Figure 8.1-4B Continued)



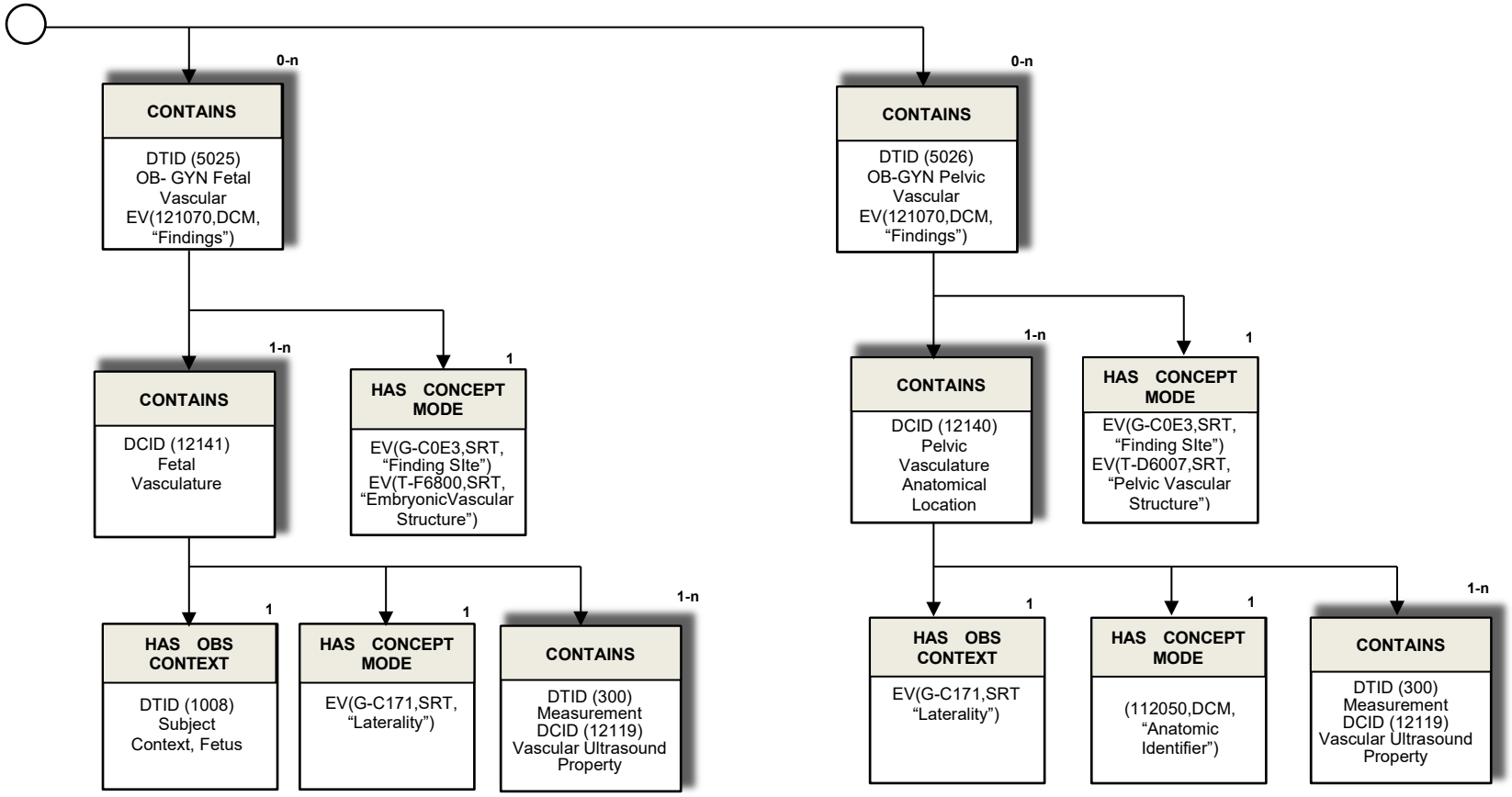
(Figure 8.1-4C Continued)



(Figure 8.1-4D Continued)



(Figure 8.1-4E Continued)



(Figure 8.1-4F Continued)

Table 8.1-57
Common

SR Code Editor Setting	Input Method	Meas.No.	Meas. Label	Measurement Code		
				CSD	CV	CM
-	-	0184	U/S GA	LN	11888-5	Composite Ultrasound Age
		0496	U/S EDD	LN	11781-2	EDD from average ultrasound age
Without input method	All settng	0001	LMP	LN	11955-2	LMP
		0006	EDD	LN	11778-8	EDD
		0495	GA (by LMP)	LN	11885-1	Gestational Age by LMP
		0497	IVF	LN	11976-8	Ovulation date
Within input method	LMP	0001	LMP	LN	11955-2	LMP
		0007	EDD_From_LMP	LN	11779-6	EDD from LMP
		0495	GA (by LMP)	LN	11885-1	Gestational Age by LMP
	CLIN	0002	LMP_From_CLIN	TSBus	0353006D	LMP by GA
		0008	EDD_From_CLIN	TSBus	0353006E	EED by GA
		1173	GA (by CLIN)	TSBus	0353006F	Inputted GA
	PREV	0005	LMP_From_PREV	TSBus	0353006D	LMP by GA
		0010	EDD_From_PREV	TSBus	0353006E	EED by GA
		1175	GA (by PREV)	TSBus	0353006F	Inputted GA
	IVF	0497	IVF	LN	11976-8	Ovulation date
		0004	LMP_From_IVF	LN	11955-2	Estimated LMP by ovulation date
		0009	EDD_From_IVF	LN	11780-4	EDD from ovulation date
		1174	GA (by IVF)	TSBus	03530070	Gestational Age by ovulation date
	EDD	0003	LMP_From_EDD	LN	33066-2	Estimated LMP by EDD
		0006	EDD_From_EDD	LN	11778-8	EDD
		1176	GA (by EDD)	TSBus	03530071	Gestational Age by EDD

Table 8.1-58
OB-2D

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0011	GS	LN	11850-5	Gestational Sac Diameter												
0012	GA	LN	18185-9	Gestational Age	LN	33108-2	GS, Tokyo 1986									
					LN	11928-9	GS, Hellman 1969									
					LN	11929-7	GS, Rempen 1991									
0013	GsdGa_SD	DCM	121414	Standard deviation of population												
1107	GsdGa_SD	DCM	125012	Growth Percentile Rank												
0014	BPD	LN	11820-8	Biparietal Diameter												
0015	GA	LN	18185-9	Gestational Age	LN	33082-9	BPD, Osaka 1989									
					TSBus	03510033	BPD, JSUM									
					LN	11902-4	BPD, Hadlock 1984									
					LN	11906-5	BPD, Kurtz 1980									
					LN	11907-3	BPD, Sabbagha 1978									
					LN	33081-1	BPD, Mertz 1988									
					LN	33538-0	BPD, Hansmann 1986									
					LN	33083-7	BPD, Rempen 1991									
					LN	33087-8	BPD-oo, Chitty 1997									
					LN	33086-0	BPD-oi, Chitty 1997									
					TSBus	03510032	BPD, ASUM 2001									
					TSBus	03510036	BPD,CFEF 2000									
					LN	33539-8	BPD, Jeanty 1982									
					TSBus	03510034	BPD, Nicolaides 1994									
					TSBus	035100E8	BPD,WHO									
0016	BpdGa_SD	DCM	121414	Standard deviation of population												
1108	BpdGa_SD	DCM	125012	Growth Percentile Rank												
0017	CRL	LN	11957-8	Crown Rump Length												
0018	GA	LN	18185-9	Gestational Age	LN	33093-6	CRL, Osaka 1989									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
					TSBus	0351003A	CRL, JSUM									
					LN	11910-7	CRL, Hadlock 1992									
					LN	11914-9	CRL, Robinson 1975									
					LN	33094-4	CRL, Rempen 1991									
					TSBus	03510010	CRL, BMUS									
					LN	33540-6	CRL, Hansmann 1986									
					TSBus	03520027	CRL, ASUM 2001									
					LN	11917-2	CRL, Jeanty 1984									
					LN	33091-0	CRL, Daya 1993									
					LN	11913-1	CRL, Nelson 1981									
0019	CrlGa_SD	DCM	121414	Standard deviation of population												
1109	CrlGa_SD	DCM	125012	Growth Percentile Rank												
0020	YS	LN	11816-6	Yolk Sac length												
0021	NT	LN	33069-6	Nuchal Translucency												
0022	NB	SRT	T-11149	Nasal bone												
0023	GA	LN	18185-9	Gestational Age	TSBus	0352002C	NB, Sonek 2003									
					TSBus	0352002D	NB, Bunduki 2003									
0024	NbGa_SD	DCM	121414	Standard deviation of population												
1110	NbGa_SD	DCM	125012	Growth Percentile Rank												
0027	AC	LN	11979-2	Abdominal Circumference												
0028	GA	LN	18185-9	Gestational Age	TSBus	0351002C	AC, Jsum 2003									
					LN	11893-5	AC, Jeanty 1984									
					LN	33075-3	AC, Mertz 1988									
					TSBus	0351002B	AC, Deter 1982									
					TSBus	0351002A	AC, Chitty Pltd									
					TSBus	03510029	AC, Chitty Drvd									
					TSBus	03510027	AC, ASUM 2001									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
					TSBus	0352002B	AC derived, BMUS 2007									
					TSBus	03510028	AC, CFEF									
					TSBus	0351002D	AC, Nicolaides									
					LN	11892-7	AC, Hadlock 1984									
					TSBus	035100EA	AC,WHO									
0029	AcGa_SD	DCM	121414	Standard deviation of population												
1111	AcGa_SD	DCM	125012	Growth Percentile Rank												
0032	FL	LN	11963-6	Femur Length												
					LN	33101-7	FL, Osaka 1989									
					TSBus	03510042	FL, JSUM									
					LN	11920-6	FL, Hadlock 1984									
					LN	11923-0	FL, Jeanty 1984									
					TSBus	0351003E	FL, Merz 1991									
					LN	33541-4	FL, Hansmann 1986									
					TSBus	03510040	FL, O-Brien									
					TSBus	03510041	FL, Warda 1985									
0033	GA	LN	18185-9	Gestational Age	TSBus	03520030	FL, BMUS 2007									
					LN	33098-5	FL, Chitty 1997									
					TSBus	0351003B	FL, ASUM 2001									
					TSBus	0351003D	FL, CFEF									
					LN	11922-2	FL, Hohler 1982									
					TSBus	0351003F	FL, Nicolaides									
					TSBus	035100EB	FL, WHO									
0034	FlGa_SD	DCM	121414	Standard deviation of population												
1112	FlGa_SD	DCM	125012	Growth Percentile Rank												
0035	FTA	LN	33068-8	Thoracic Area												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0036	GA	LN	18185-9	Gestational Age	LN	33138-9	Fetal Trunk Cross-Sectional Area, Osaka 1989									
0037	FtaGa_SD	DCM	121414	Standard deviation of population												
1113	FtaGa_SD	DCM	125012	Growth Percentile Rank												
0038	HL	LN	11966-9	Humerus length												
0039	GA	LN	18185-9	Gestational Age	LN	11936-2	Humerus, Jeanty 1984									
					LN	11937-0	Humerus, Merz 1987									
					LN	33117-3	Humerus Length, Osaka 1989									
					LN	33116-5	Humerus Length, ASUM 2000									
					TSBus	03510021	Humerus, Chitty									
					TSBus	035100EC	HL, WHO									
0040	HlGa_SD	DCM	121414	Standard deviation of population												
1114	HlGa_SD	DCM	125012	Growth Percentile Rank												
0041	RAD	LN	11967-7	Radius length												
0042	GA	LN	18185-9	Gestational Age	TSBus	03510053	RADIUS, Merz									
					TSBus	0351005A	RADIUS, Chitty									
0043	RadiusGa_SD	DCM	121414	Standard deviation of population												
1115	RadiusGa_SD	DCM	125012	Growth Percentile Rank												
0044	Ulna	LN	11969-3	Ulna length												
0045	GA	LN	18185-9	Gestational Age	LN	11944-6	Ulna, Jeanty 1984									
					LN	11945-3	Ulna, Merz 1987									
					TSBus	03510022	Ulna, Chitty									
0046	UlGa_SD	DCM	121414	Standard deviation of population												
1116	UlGa_SD	DCM	125012	Growth Percentile Rank												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0047	TIB	LN	11968-5	Tibia length												
0048	GA	LN	18185-9	Gestational Age	LN	11941-2	Tibia, Jeanty 1984									
					TSBus	03510049	Tibia, Merz									
					TSBus	03510023	Tibia, Chitty									
0049	TIGa_SD	DCM	121414	Standard deviation of population												
1117	TIGa_SD	DCM	125012	Growth Percentile Rank												
0050	FIB	LN	11964-4	Fibula length												
0051	GA	LN	18185-9	Gestational Age	LN	11918-0	Fibula, Merz 1987									
0052	FibulaGa_SD	DCM	121414	Standard deviation of population												
1118	FibulaGa_SD	DCM	125012	Growth Percentile Rank												
0053	THD	LN	11864-6	Transverse Thoracic Diameter												
0054	GA	LN	18185-9	Gestational Age	LN	33129-8	TAD Hansmann, 1979									
0055	ThdGa_SD	DCM	121414	Standard deviation of population												
1119	ThdGa_SD	DCM	125012	Growth Percentile Rank												
0056	APAD	LN	11818-2	Anterior-Posterior Abdominal Diameter												
0057	GA	LN	18185-9	Gestational Age	TSBus	0351000C	GA APAD Merz									
0058	ApadGa_SD	DCM	121414	Standard deviation of population												
1120	ApadGa_SD	DCM	125012	Growth Percentile Rank												
0059	TAD	LN	11862-0	Tranverse Abdominal Diameter												
0060	GA	LN	18185-9	Gestational Age	TSBus	03510048	TAD, Merz									
					TSBus	03510047	TAD, CFEF									
0061	TadGa_SD	DCM	121414	Standard deviation of population												
1121	TadGa_SD	DCM	125012	Growth Percentile Rank												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0062	CER	LN	11863-8	Trans Cerebellar Diameter												
0063	GA	LN	18185-9	Gestational Age	TSBus	03510037	CER, Goldstein									
					TSBus	3510038	CER, Hill									
					TSBus	03510039	CER, Nicolaides									
0064	CerGa_SD	DCM	121414	Standard deviation of population												
1122	CerGa_SD	DCM	125012	Growth Percentile Rank												
0065	OOD	LN	11629-3	Outer Orbital Diameter												
0066	GA	LN	18185-9	Gestational Age	TSBus	0351005B	OOD, Jeanty									
					LN	33124-9	OOD, Mayden, 1982									
0067	BnGa_SD	DCM	121414	Standard deviation of population												
1123	BnGa_SD	DCM	125012	Growth Percentile Rank												
0068	OFD	LN	11851-3	Occipital-Frontal Diameter												
0069	GA	LN	18185-9	Gestational Age	TSBus	03510045	OFD, Merz									
					LN	33120-7	OFD, Hansmann 1986									
					TSBus	03510044	OFD, Chitty									
					TSBus	03510046	OFD, Nicolaides 1994									
					TSBus	03520031	OFD, Jeanty 1984									
					TSBus	03520032	OFD, ASUM 2001									
0070	OfdGa_SD	DCM	121414	Standard deviation of population												
1124	OfdGa_SD	DCM	125012	Growth Percentile Rank												
0071	HA	TSBUs	03310000	Head Area												
0072	GA	LN	18185-9	Gestational Age	TSBus	0351008B	GA HA Chitty									
0073	HaGa_SD	DCM	121414	Standard deviation of population												
1125	HaGa_SD	DCM	125012	Growth Percentile Rank												
0074	HC	LN	11984-2	Head Circumference												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0075	GA	LN	18185-9	Gestational Age	LN	33115-7	HC Merz, 1988									
					LN	11932-1	HC, Hadlock 1984									
					LN	33543-0	HC, Hansmann 1986									
					LN	33110-8	HC measured, Chitty 1997									
					LN	33111-6	HC derived, Chitty 1997									
					TSBus	03520028	HC, ASUM 2001									
					TSBus	03520029	HC, Nicolaides 1994									
					TSBus	0352002A	HC derived, BMUS 2007									
					TSBus	03510043	HC, CFEF									
					LN	11934-7	HC, Jeanty 1984									
					TSBus	035100E9	HC, WHO									
0076	HcGa_SD	DCM	121414	Standard deviation of population												
1126	HcGa_SD	DCM	125012	Growth Percentile Rank												
0077	AA	TSBUs	03310001	Abdominal Area												
0078	GA	LN	18185-9	Gestational Age	TSBus	0351000B	GA AA Chitty									
0079	AaGa_SD	DCM	121414	Standard deviation of population												
1127	AaGa_SD	DCM	125012	Growth Percentile Rank												
0080	AFI	LN	11627-7	Amniotic Fluid Index												
1171	AfiGa_SD	DCM	125012	Growth Percentile Rank												
1172	AfiGa_SD	DCM	121414	Standard deviation of population												
0081	Q1	LN	11624-4	First Quadrant Diameter												
0082	Q2	LN	11626-9	Second Quadrant Diameter												
0083	Q3	LN	11625-1	Third Quadrant Diameter												
0084	Q4	LN	11623-6	Fourth Quadrant Diameter												
0087	CTAR A	TSBus	03310002	Thoracic Area (CTAR A)												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0088	CTAR B	TSBus	03310003	Cardiac Area (CTAR B)												
0089	CARD-Axis	TSBus	03310004	Cardiac Axis												
0090	CTAR	TSBus	03310005	Cardiothoracic area ratio												
0091	Umb V D	TSBus	03330003	Umbilical Vein Diameter										SRT	T-F1820	Umbilical Vein
0092	Cervix Len	LN	11961-0	Cervix Length												
0093	CM	LN	11860-4	Cisterna Magna length												
0094	Ocular D	TSBus	03330001	Ocular Diameter												
0095	CLAV	LN	11962-8	Clavicle length												
0096	GA	LN	18185-9	Gestational Age	LN	33088-6	Clavical length,Yarkoni 1985									
0097	ClavGa_SD	DCM	121414	Standard deviation of population												
1128	ClavGa_SD	DCM	125012	Growth Percentile Rank												
0098	TC	LN	11988-3	Thoracic Circumference												
0099	Va	LN	33197-5	Anterior Horn Lateral ventricular width												
0100	GA	LN	18185-9	Gestational Age	TSBus	0351004D	VA, Nicolaides									
0101	VaGa_SD	DCM	121414	Standard deviation of population												
1129	VaGa_SD	DCM	125012	Growth Percentile Rank												
0102	Vp	LN	33196-7	Posterior Horn Lateral ventricular width												
0103	GA	LN	18185-9	Gestational Age	TSBus	0351004E	VP, Nicolaides									
0104	VpGa_SD	DCM	121414	Standard deviation of population												
1130	VpGa_SD	DCM	125012	Growth Percentile Rank												
0105	Hem	LN	12170-7	Width of Hemisphere												
0106	GA	LN	18185-9	Gestational Age	TSBus	03510050	HEM, Nicolaides									
0107	HemGa_SD	DCM	121414	Standard deviation of population												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1131	HemGa_SD	DCM	125012	Growth Percentile Rank												
0108	Foot	LN	11965-1	Foot length												
0109	GA	LN	18185-9	Gestational Age	LN	11926-3	Foot Length, Mercer 1987									
0110	FootGa_SD	DCM	121414	Standard deviation of population												
1132	FootGa_SD	DCM	125012	Growth Percentile Rank												
0111	F Kidney	TSBus	03330000	Fetal Kidney length												
0112	GA	LN	18185-9	Gestational Age	TSBus	0351008A	GA Fetal Kidney Bertagnoli									
0113	F_KidGa_SD	DCM	121414	Standard deviation of population												
1133	F_KidGa_SD	DCM	125012	Growth Percentile Rank												
0114	AFP	SRT	M-02550	Diameter												
0115	GS	LN	11850-5	Gestational Sac Diameter												
0119	GA	LN	18185-9	Gestational Age	TSBus	0352002F	MSD, Daya 1991									
0120	MsdGa_SD	DCM	121414	Standard deviation of population												
1134	GSMsdGa_SD	DCM	125012	Growth Percentile Rank												
0121	TCD	TSBus	0353000C	Transverse Cardiac Diameter												
0122	C.S.P.	TSBus	03520022	Cavum Septi Pellucidi												
0123	NF	LN	12146-7	Nuchal Fold thickness												
0124	IOD	LN	33070-4	Inner Orbital Diameter												
0125	Maxilla Angle	TSBus	03520023	Maxilla Angle												
0126	Maxilla Len.	SRT	T-11170	Maxilla												
0127	Lt F Kidney	LN	11834-9	Left Kidney length												
0128	GA	LN	18185-9	Gestational Age	TSBus	0351008A	GA Fetal Kidney Bertagnoli									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0129	LtF_KidGa_SD	DCM	121414	Standard deviation of population												
1135	LtF_KidGa_SD	DCM	125012	Growth Percentile Rank												
0130	Rt F Kidney	LN	11836-4	Right Kidney length												
0131	GA	LN	18185-9	Gestational Age	TSBus	0351008A	GA Fetal Kidney Bertagnoli									
0132	RtF_KidGa_SD	DCM	121414	Standard deviation of population												
1136	RtF_KidGa_SD	DCM	125012	Growth Percentile Rank												
0133	Lt HL	LN	11966-9	Humerus length							SRT	G-A101	Left			
0134	GA	LN	18185-9	Gestational Age	LN	11936-2	Humerus, Jeanty 1984									
					LN	11937-0	Humerus, Merz 1987									
					LN	33117-3	Humerus Length, Osaka 1989									
					LN	33116-5	Humerus Length, ASUM 2000									
					TSBus	03510021	Humerus, Chitty									
					TSBus	035100EC	HL, WHO									
0135	LtHlGa_SD	DCM	121414	Standard deviation of population												
1137	LtHlGa_SD	DCM	125012	Growth Percentile Rank												
0136	Rt HL	LN	11966-9	Humerus length							SRT	G-A100	Right			
0137	GA	LN	18185-9	Gestational Age	LN	11936-2	Humerus, Jeanty 1984									
					LN	11937-0	Humerus, Merz 1987									
					LN	33117-3	Humerus Length, Osaka 1989									
					LN	33116-5	Humerus Length, ASUM 2000									
					TSBus	03510021	Humerus, Chitty									
					TSBus	035100EC	HL, WHO									
0138	RtHlGa_SD	DCM	121414	Standard deviation of population												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1138	RtHlGa_SD	DCM	125012	Growth Percentile Rank												
0139	Lt Ulna	LN	11969-3	Ulna length							SRT	G-A101	Left			
0140	GA	LN	18185-9	Gestational Age	LN	11944-6	Ulna, Jeanty 1984									
					LN	11945-3	Ulna, Merz 1987									
					TSBus	03510022	Ulna, Chitty									
0141	LtUlGa_SD	DCM	121414	Standard deviation of population												
1139	LtUlGa_SD	DCM	125012	Growth Percentile Rank												
0142	Rt Ulna	LN	11969-3	Ulna length							SRT	G-A100	Right			
0143	GA	LN	18185-9	Gestational Age	LN	11944-6	Ulna, Jeanty 1984									
					LN	11945-3	Ulna, Merz 1987									
					TSBus	03510022	Ulna, Chitty									
0144	RtUlGa_SD	DCM	121414	Standard deviation of population												
1140	RtUlGa_SD	DCM	125012	Growth Percentile Rank												
0145	Lt RAD	LN	11967-7	Radius length							SRT	G-A101	Left			
0146	GA	LN	18185-9	Gestational Age	TSBus	03510053	RADIUS, Merz									
					TSBus	0351005A	RADIUS, Chitty									
0147	LtRadiusGa_SD	DCM	121414	Standard deviation of population												
1141	LtRadiusGa_SD	DCM	125012	Growth Percentile Rank												
0148	Rt RAD	LN	11967-7	Radius length							SRT	G-A100	Right			
0149	GA	LN	18185-9	Gestational Age	TSBus	03510053	RADIUS, Merz									
					TSBus	0351005A	RADIUS, Chitty									
0150	RtRadiusGa_SD	DCM	121414	Standard deviation of population												
1142	RtRadiusGa_SD	DCM	125012	Growth Percentile Rank												
0151	Lt CLAV	LN	11962-8	Clavicle length							SRT	G-A101	Left			

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0152	GA	LN	18185-9	Gestational Age	LN	33088-6	Clavical length,Yarkoni 1985									
0153	LtClavGa_SD	DCM	121414	Standard deviation of population												
1143	LtClavGa_SD	DCM	125012	Growth Percentile Rank												
0154	Rt CLAV	LN	11962-8	Clavicle length							SRT	G-A100	Right			
0155	GA	LN	18185-9	Gestational Age	LN	33088-6	Clavical length,Yarkoni 1985									
0156	RtClavGa_SD	DCM	121414	Standard deviation of population												
1144	RtClavGa_SD	DCM	125012	Growth Percentile Rank												
0157	Lt FL	LN	11963-6	Femur Length							SRT	G-A101	Left			
0158	GA	LN	18185-9	Gestational Age	LN	33101-7	FL, Osaka 1989									
					TSBus	03510042	FL, JSUM									
					LN	11920-6	FL, Hadlock 1984									
					LN	11923-0	FL, Jeanty 1984									
					TSBus	0351003E	FL, Merz 1991									
					LN	33541-4	FL, Hansmann 1986									
					TSBus	03510040	FL, O-Brien									
					TSBus	03510041	FL, Warda 1985									
					TSBus	03520030	FL, BMUS 2007									
					LN	33098-5	FL, Chitty 1997									
					TSBus	0351003B	FL, ASUM 2001									
					TSBus	0351003D	FL, CFEF									
					LN	11922-2	FL, Hohler 1982									
					TSBus	0351003F	FL, Nicolaides									
					TSBus	035100EB	FL, WHO									
0159	LtFlGa_SD	DCM	121414	Standard deviation of population												
1145	LtFlGa_SD	DCM	125012	Growth Percentile Rank												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0160	Rt FL	LN	11963-6	Femur Length							SRT	G-A100	Right			
0161	GA	LN	18185-9	Gestational Age	LN	33101-7	FL, Osaka 1989									
					TSBus	03510042	FL, JSUM									
					LN	11920-6	FL, Hadlock 1984									
					LN	11923-0	FL, Jeanty 1984									
					TSBus	0351003E	FL, Merz 1991									
					LN	33541-4	FL, Hansmann 1986									
					TSBus	03510040	FL, O-Brien									
					TSBus	03510041	FL, Warda 1985									
					TSBus	03520030	FL, BMUS 2007									
					LN	33098-5	FL, Chitty 1997									
					TSBus	0351003B	FL, ASUM 2001									
					TSBus	0351003D	FL, CFEF									
					LN	11922-2	FL, Hohler 1982									
					TSBus	0351003F	FL, Nicolaides									
					TSBus	035100EB	FL, WHO									
0162	RtFlGa_SD	DCM	121414	Standard deviation of population												
1146	RtFlGa_SD	DCM	125012	Growth Percentile Rank												
0163	Lt TIB	LN	11968-5	Tibia length							SRT	G-A101	Left			
0164	GA	LN	18185-9	Gestational Age	LN	11941-2	Tibia, Jeanty 1984									
					TSBus	03510049	Tibia, Merz									
					TSBus	03510023	Tibia, Chitty									
0165	LtTlGa_SD	DCM	121414	Standard deviation of population												
1147	LtTlGa_SD	DCM	125012	Growth Percentile Rank												
0166	Rt TIB	LN	11968-5	Tibia length							SRT	G-A100	Right			
0167	GA	LN	18185-9	Gestational Age	LN	11941-2	Tibia, Jeanty 1984									
					TSBus	03510049	Tibia, Merz									
					TSBus	03510023	Tibia, Chitty									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0168	RtTlGa_SD	DCM	121414	Standard deviation of population												
1148	RtTlGa_SD	DCM	125012	Growth Percentile Rank												
0169	Lt FIB	LN	11964-4	Fibula length							SRT	G-A101	Left			
0170	GA	LN	18185-9	Gestational Age	LN	11918-0	Fibula, Merz 1987									
					TSBus	0351004C	FIBULA, Chitty									
0171	LtFibulaGa_SD	DCM	121414	Standard deviation of population												
1149	LtFibulaGa_SD	DCM	125012	Growth Percentile Rank												
0172	Rt FIB	LN	11964-4	Fibula length							SRT	G-A100	Right			
0173	GA	LN	18185-9	Gestational Age	LN	11918-0	Fibula, Merz 1987									
					TSBus	0351004C	FIBULA, Chitty									
0174	RtFibulaGa_SD	DCM	121414	Standard deviation of population												
1150	RtFibulaGa_SD	DCM	125012	Growth Percentile Rank												
0175	Lt Foot	LN	11965-1	Foot length							SRT	G-A101	Left			
0176	GA	LN	18185-9	Gestational Age	TSBus	03510024	FOOT, Mercer									
					TSBus	03510025	FOOT, Chitty									
0177	LtFootGa_SD	DCM	121414	Standard deviation of population												
1151	LtFootGa_SD	DCM	125012	Growth Percentile Rank												
0178	Rt Foot	LN	11965-1	Foot length							SRT	G-A100	Right			
0179	GA	LN	18185-9	Gestational Age	TSBus	03510024	FOOT, Mercer									
					TSBus	03510025	FOOT, Chitty									
0180	RtFootGa_SD	DCM	121414	Standard deviation of population												
1152	RtFootGa_SD	DCM	125012	Growth Percentile Rank												
0184	U/S GA	LN	11888-5	Composite Ultrasound Age												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0202	FL/BPD	LN	11872-9	FL/BPD												
0221	CI	LN	11823-2	Cephalic Index												
0222	HC/AC	LN	11947-9	HC/AC												
0223	FL/HC	LN	11873-7	FL/HC												
0224	FL/AC	LN	11871-1	FL/AC												
0225	Va/Hem	TSBus	03330007	Va/Hem												
0226	GA	LN	18185-9	Gestational Age	TSBus	03510051	VA Over HEM, Nicolaides									
0227	VaOverHem_SD	DCM	121414	Standard deviation of population												
0228	Vp/Hem	TSBus	03330008	Vp/Hem												
0229	GA	LN	18185-9	Gestational Age	TSBus	03510052	VP Over HEM, Nicolaides									
0230	VpOverHem_SD	DCM	121414	Standard deviation of population												
0231	HC(Cal.)	LN	11984-2	Head Circumference				SRT	R-41D2D	Calculated						
0232	CalcHc_SD	DCM	121414	Standard deviation of population												
1153	CalcHc_SD	DCM	125012	Growth Percentile Rank												
0233	GA	LN	18185-9	Gestational Age	TSBus	0352002A	HC derived, BMUS 2007									
					LN	11932-1	HC, Hadlock 1984									
					LN	33115-7	HC Merz, 1988									
					LN	33543-0	HC, Hansmann 1986									
					LN	33111-6	HC derived, Chitty 1997									
					TSBus	03510043	HC, CFEF									
					LN	11934-7	HC, Jeanty 1984									
					TSBus	03510027	HC, ASUM 2001									
					TSBus	03520029	HC, Nicolaides 1994									
0234	AC(Cal.)	LN	11979-2	Abdominal Circumference				SRT	R-41D2D	Calculated						

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0235	CalcAc_SD	DCM	121414	Standard deviation of population												
1154	CalcAc_SD	DCM	125012	Growth Percentile Rank												
0236	GA	LN	18185-9	Gestational Age	TSBus	0352002B	AC derived, BMUS 2007									
					LN	11893-5	AC, Jeanty 1984									
					LN	11892-7	AC, Hadlock 1984									
					LN	33075-3	AC, Mertz 1988									
					TSBus	03510029	AC, Chitty Drvd									
					TSBus	03510028	AC, CFEF									
					TSBus	0351002D	AC, Nicolaides									
0256	MCR_US_AVERAGE_GA_FOR_HADLOCK_SD	LN	18185-9	Gestational Age												
0257	MCR_US_GA_SD	LN	18185-9	Gestational Age												
0489	MAD	TSBus	03530001	Mean Abdominal Diameter	TSBus	03530002	MAD									
0490	GA	LN	18185-9	Gestational Age												
0491	MADGa_SD	DCM	121414	Standard deviation of population												
1155	MADGa_SD	DCM	125012	Growth Percentile Rank												
0193	EFW (Hadlock1)	LN	11727-5	Estimated Weight	LN	11751-5	EFW by AC, FL, Hadlock 1985									
0192	GA	LN	18185-9	Gestational Age	TSBus	03510084	GA by EFW, AC, FL, Hadlock 1985									
0191	SD	DCM	121414	Standard deviation of population												
0237	Percentile	LN	11767-1	EFW percentile rank												
0194	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	0351009A	MCR_WEIGHT_US_PERC_EFW_HADLOCK_AC_FL									
1183	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	LN	11751-5	EFW by AC, FL, Hadlock 1985									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1197	Ratio	TSBus	0353019A	EFW Ratio	LN	11751-5	EFW by AC, FL, Hadlock 1985									
1198	Discordance	TSBus	0353019B	EFW Discordance	LN	11751-5	EFW by AC, FL, Hadlock 1985									
0197	EFW (Hadlock2)	LN	11727-5	Estimated Weight	TSBus	03510004	EFW by AC, BPD, FL, Hadlock2									
0196	GA	LN	18185-9	Gestational Age	TSBus	0351008C	GA Hadlock2									
0195	SD	DCM	121414	Standard deviation of population												
0238	Percentile	LN	11767-1	EFW percentile rank												
0198	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	03510096	MCR_WEIGHT_US_PERC_EFW_HADLOCK_BPD_AC_FL									
1184	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	03510004	EFW by AC, BPD, FL, Hadlock2									
1199	Ratio	TSBus	0353019A	EFW Ratio	TSBus	03510004	EFW by AC, BPD, FL, Hadlock2									
1200	Discordance	TSBus	0353019B	EFW Discordance	TSBus	03510004	EFW by AC, BPD, FL, Hadlock2									
0205	EFW (Hadlock3)	LN	11727-5	Estimated Weight	TSBus	03510005	EFW by AC, FL, HC, Hadlock 3									
0204	GA	LN	18185-9	Gestational Age	TSBus	0351008D	GA Hadlock3									
0203	SD	DCM	121414	Standard deviation of population												
0239	Percentile	LN	11767-1	EFW percentile rank												
0206	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	03510097	MCR_WEIGHT_US_PERC_EFW_HADLOCK_HC_AC_FL									
1185	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	03510005	EFW by AC, BPD, FL, Hadlock3									
1201	Ratio	TSBus	0353019A	EFW Ratio	TSBus	03510005	EFW by AC, BPD, FL, Hadlock3									
1202	Discordance	TSBus	0353019B	EFW Discordance	TSBus	03510005	EFW by AC, BPD, FL, Hadlock3									
0209	EFW (Hadlock4)	LN	11727-5	Estimated Weight	TSBus	03510003	EFW by AC, BPD, FL, HC, Hadlock4									
0208	GA	LN	18185-9	Gestational Age	TSBus	0351008E	GA Hadlock4									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0207	SD	DCM	121414	Standard deviation of population												
0240	Percentile	LN	11767-1	EFW percentile rank												
0210	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	03510098	MCR_WEIGHT_US_PERC_EFW_HADLOCK_BPD_HC_AC_FL									
1186	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	03510003	EFW by AC, BPD, FL, Hadlock4									
1203	Ratio	TSBus	0353019A	EFW Ratio	TSBus	03510003	EFW by AC, BPD, FL, Hadlock4									
1204	Discordance	TSBus	0353019B	EFW Discordance	TSBus	03510003	EFW by AC, BPD, FL, Hadlock4									
0248	EFW (Hadlock1-Williams)	LN	11727-5	Estimated Weight	TSBus	035100A1	EFW by AC, FL, Williams 1982									
0247	GA	LN	18185-9	Gestational Age	LN	33184-3	FWP by GA, Williams, 1982									
0246	SD	DCM	121414	Standard deviation of population												
0249	Percentile	LN	11767-1	EFW percentile rank												
0250	USGA Percentile	LN	11767-1	EFW percentile rank												
1187	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	035100A1	EFW by AC, FL, Williams 1982									
1205	Ratio	TSBus	0353019A	EFW Ratio	TSBus	035100A1	EFW by AC, FL, Williams 1982									
1206	Discordance	TSBus	0353019B	EFW Discordance	TSBus	035100A1	EFW by AC, FL, Williams 1982									
0253	EFW (Hadlock2-Williams)	LN	11727-5	Estimated Weight	TSBus	035100A2	EFW by AC, BPD, FL, Williams 1982									
0252	GA	LN	18185-9	Gestational Age	LN	33184-3	FWP by GA, Williams, 1982									
0251	SD	DCM	121414	Standard deviation of population												
0254	Percentile	LN	11767-1	EFW percentile rank												
0255	USGA Percentile	LN	11767-1	EFW percentile rank												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1188	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	035100A2	EFW by AC, BPD, FL, Williams 1982									
1207	Ratio	TSBus	0353019A	EFW Ratio	TSBus	035100A2	EFW by AC, BPD, FL, Williams 1982									
1208	Discordance	TSBus	0353019B	EFW Discordance	TSBus	035100A2	EFW by AC, BPD, FL, Williams 1982									
0260	EFW (Hadlock3-Williams)	LN	11727-5	Estimated Weight	TSBus	035100A3	EFW by AC, FL, HC, Williams 1982									
0259	GA	LN	18185-9	Gestational Age	LN	33184-3	FWP by GA, Williams, 1982									
0258	SD	DCM	121414	Standard deviation of population												
0261	Percentile	LN	11767-1	EFW percentile rank												
0262	USGA Percentile	LN	11767-1	EFW percentile rank												
1189	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	035100A3	EFW by AC, FL, HC, Williams 1982									
1209	Ratio	TSBus	0353019A	EFW Ratio	TSBus	035100A3	EFW by AC, FL, HC, Williams 1982									
1210	Discordance	TSBus	0353019B	EFW Discordance	TSBus	035100A3	EFW by AC, FL, HC, Williams 1982									
1157	EFW (Hadlock3-WHO)	LN	11727-5	Estimated Weight	TSBus	035100F6	EFW by AC, FL, HC(Hadlock), WHO									
1156	GA	LN	18185-9	Gestational Age	TSBus	035100ED	EFW by FG, WHO	LN	11746-5	EFW by AC, FL, HC, Hadlock 1985						
1160	SD	DCM	121414	Standard deviation of population												
1158	Percentile	LN	11767-1	EFW percentile rank	TSBus	035100EE	EFW Percentile by GA, WHO	LN	11746-5	EFW by AC, FL, HC, Hadlock 1985						
1159	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	035100EF	EFW Percentile by USGA, WHO	LN	11746-5	EFW by AC, FL, HC, Hadlock 1985						
1193	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	035100F6	EFW by AC, FL, HC(Hadlock), WHO									
1245	Ratio	TSBus	0353019A	EFW Ratio	TSBus	035100F6	EFW by AC, FL, HC(Hadlock), WHO									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1246	Discordance	TSBus	0353019B	EFW Discordance	TSBus	035100F6	EFW by AC, FL, HC(Hadlock), WHO									
1162	EFW (Hadlock3-WHOm)	LN	11727-5	Estimated Weight	TSBus	035100F7	EFW by AC, FL, HC(Hadlock), WHOm									
1161	GA	LN	18185-9	Gestational Age	TSBus	035100F0	EFW by FG, WHOMale	LN	11746-5	EFW by AC, FL, HC, Hadlock 1985						
1165	SD	DCM	121414	Standard deviation of population												
1163	Percentile	LN	11767-1	EFW percentile rank	TSBus	035100F1	EFW Percentile by GA, WHO Male	LN	11746-5	EFW by AC, FL, HC, Hadlock 1985						
1164	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	035100F2	EFW Percentile by USGA, WHO Male	LN	11746-5	EFW by AC, FL, HC, Hadlock 1985						
1194	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	035100F7	EFW by AC, FL, HC(Hadlock), WHOm									
1247	Ratio	TSBus	0353019A	EFW Ratio	TSBus	035100F7	EFW by AC, FL, HC(Hadlock), WHOm									
1248	Discordance	TSBus	0353019B	EFW Discordance	TSBus	035100F7	EFW by AC, FL, HC(Hadlock), WHOm									
1167	EFW (Hadlock3-WHOf)	LN	11727-5	Estimated Weight	TSBus	035100F8	EFW by AC, FL, HC(Hadlock), WHOf									
1166	GA	LN	18185-9	Gestational Age	TSBus	035100F3	EFW by FG, WHO Female	LN	11746-5	EFW by AC, FL, HC, Hadlock 1985						
1170	SD	DCM	121414	Standard deviation of population												
1168	Percentile	LN	11767-1	EFW percentile rank	TSBus	035100F4	EFW Percentile by GA, WHO Female	LN	11746-5	EFW by AC, FL, HC, Hadlock 1985						
1169	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	035100F5	EFW Percentile by USGA, WHO Female	LN	11746-5	EFW by AC, FL, HC, Hadlock 1985						
1195	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	035100F8	EFW by AC, FL, HC(Hadlock), WHOf									
1249	Ratio	TSBus	0353019A	EFW Ratio	TSBus	035100F8	EFW by AC, FL, HC(Hadlock), WHOf									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1250	Discordance	TSBus	0353019B	EFW Discordance	TSBus	035100F8	EFW by AC, FL, HC(Hadlock), WHOf									
0265	EFW (Hadlock4-Williams)	LN	11727-5	Estimated Weight	TSBus	035100A4	EFW by AC, BPD, FL, HC, Williams 1982									
0264	GA	LN	18185-9	Gestational Age	LN	33184-3	FWP by GA, Williams, 1982									
0263	SD	DCM	121414	Standard deviation of population												
0266	Percentile	LN	11767-1	EFW percentile rank												
0267	USGA Percentile	LN	11767-1	EFW percentile rank												
1190	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	035100A4	EFW by AC, BPD, FL, HC, Williams 1982									
1211	Ratio	TSBus	0353019A	EFW Ratio	TSBus	035100A4	EFW by AC, BPD, FL, HC, Williams 1982									
1212	Discordance	TSBus	0353019B	EFW Discordance	TSBus	035100A4	EFW by AC, BPD, FL, HC, Williams 1982									
0243	EFW (Hadlock4-Brenner)	LN	11727-5	Estimated Weight	TSBus	035100A0	EFW by AC, BPD, FL, HC, Brenner 1976									
0242	GA	LN	18185-9	Gestational Age	LN	33189-2	FWP by GA, Brenner 1976									
0241	SD	DCM	121414	Standard deviation of population												
0244	Percentile	LN	11767-1	EFW percentile rank	TSBus	035100A0	EFW by AC, BPD, FL, HC, Brenner 1976									
0245	USGA Percentile	LN	11767-1	EFW percentile rank												
1191	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	035100A0	EFW by AC, BPD, FL, HC, Brenner 1976									
1213	Ratio	TSBus	0353019A	EFW Ratio	TSBus	035100A0	EFW by AC, BPD, FL, HC, Brenner 1976									
1214	Discordance	TSBus	0353019B	EFW Discordance	TSBus	035100A0	EFW by AC, BPD, FL, HC, Brenner 1976									
0190	EFW (JSUM)	LN	11727-5	Estimated Weight	TSBus	03510008	EFW by BPD, AC, FL, JSUM									
0189	GA	LN	18185-9	Gestational Age	TSBus	03510086	GA by EFW, BPD, AC, FL, JSUM									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0188	SD	DCM	121414	Standard deviation of population												
0644	Percentile	LN	11767-1	EFW percentile rank	TSBus	03530007	EFW by GA, JSUM 2003									
0643	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	03530006	EFW by MA, JSUM 2003									
1215	Ratio	TSBus	0353019A	EFW Ratio	TSBus	03510008	EFW by BPD, AC, FL, JSUM									
1216	Discordance	TSBus	0353019B	EFW Discordance	TSBus	03510008	EFW by BPD, AC, FL, JSUM									
0220	EFW (Hansmann)	LN	11727-5	Estimated Weight	TSBus	0351000A	EFW BPD,THD Hansman									
0219	GA	LN	18185-9	Gestational Age	TSBus	0351008F	GA Hansman									
0218	SD	DCM	121414	Standard deviation of population												
1196	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	0351000A	EFW BPD,THD Hansman									
1217	Ratio	TSBus	0353019A	EFW Ratio	TSBus	0351000A	EFW BPD,THD Hansman									
1218	Discordance	TSBus	0353019B	EFW Discordance	TSBus	0351000A	EFW BPD,THD Hansman									
0492	FEW (Persson)	LN	11727-5	Estimated Weight	TSBus	03530005	EFW by BPD, FL, MAD by Persson									
0493	GA	LN	18185-9	Gestational Age	TSBus	03530003	MAD, Persson									
0494	SD	DCM	121414	Standard deviation of population												
0646	Percentile	LN	11767-1	EFW percentile rank	TSBus	03530009	EFW by GA, Persson 1996									
0645	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	03530008	EFW by MA, Persson 1996									
1219	Ratio	TSBus	0353019A	EFW Ratio	TSBus	03530005	EFW by BPD, FL, MAD by Persson									
1220	Discordance	TSBus	0353019B	EFW Discordance	TSBus	03530005	EFW by BPD, FL, MAD by Persson									
0201	EFW (Osaka)	LN	11727-5	Estimated Weight	LN	33140-5	EFW by BPD, FTA, FL, Osaka 1990									
0200	GA	LN	18185-9	Gestational Age	TSBus	03510087	GA by EFW BPD,FTA,FL OSAKA									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0199	SD	DCM	121414	Standard deviation of population												
0648	Percentile	LN	11767-1	EFW percentile rank	TSBus	0353000B	EFW by GA, Osaka 1983									
0647	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	0353000A	EFW by MA, Osaka 1983									
1221	Ratio	TSBus	0353019A	EFW Ratio	LN	33140-5	EFW by BPD, FTA, FL, Osaka 1990									
1222	Discordance	TSBus	0353019B	EFW Discordance	LN	33140-5	EFW by BPD, FTA, FL, Osaka 1990									
0216	EFW (Campbell)	LN	11727-5	Estimated Weight	LN	11756-4	EFW by AC, Campbell 1975									
1192	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	LN	11756-4	EFW by AC, Campbell 1975									
1223	Ratio	TSBus	0353019A	EFW Ratio	LN	11756-4	EFW by AC, Campbell 1975									
1224	Discordance	TSBus	0353019B	EFW Discordance	LN	11756-4	EFW by AC, Campbell 1975									
0217	EFW (Merz2)	LN	11727-5	Estimated Weight	TSBus	03510095	EFW by AC, Merz2									
1225	Ratio	TSBus	0353019A	EFW Ratio	TSBus	03510095	EFW by AC, Merz2									
1226	Discordance	TSBus	0353019B	EFW Discordance	TSBus	03510095	EFW by AC, Merz2									
0214	EFW (Merz)	LN	11727-5	Estimated Weight	TSBus	03510006	EFW by BPD, AC, Merz									
1227	Ratio	TSBus	0353019A	EFW Ratio	TSBus	03510006	EFW by BPD, AC, Merz									
1228	Discordance	TSBus	0353019B	EFW Discordance	TSBus	03510006	EFW by BPD, AC, Merz									
0212	EFW (Shepard)	LN	11727-5	Estimated Weight	LN	11739-0	EFW by AC and BPD, Shepard 1982									
1229	Ratio	TSBus	0353019A	EFW Ratio	LN	11739-0	EFW by AC and BPD, Shepard 1982									
1230	Discordance	TSBus	0353019B	EFW Discordance	LN	11739-0	EFW by AC and BPD, Shepard 1982									
0642	EFW (Schild)	LN	11727-5	Estimated Weight	TSBus	03530004	EFW by HC, AC, FL, Schild 2004									
1231	Ratio	TSBus	0353019A	EFW Ratio	TSBus	03530004	EFW by HC, AC, FL, Schild 2004									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1232	Discordance	TSBus	0353019B	EFW Discordance	TSBus	03530004	EFW by HC, AC, FL, Schild 2004									
1069	FDL	TSBus	0353006B	Femur length 50%												
1070	T Vol	SRT	T-D9100	Thigh												
1071	GA	LN	18185-9	Gestational Age	TSBus	3520033	Thigh, Lee 2009	SRT	R-41D2D	Calculated						
1072	CalcTVol_SD	DCM	121414	Standard deviation of population												
1073	GA	LN	18185-9	Gestational Age	LN	33184-3	FWP by GA, Williams, 1982	TSBus	035100A5	EFW by TVol, Lee 2009						
1074	EFW (Lee4-Williams)	LN	11727-5	Estimated Weight	TSBus	035100A5	EFW by TVol, Lee 2009									
1075	Percentile	LN	11767-1	EFW percentile rank	TSBus	035100A8	EFW Precentail by GA, Williams, 1982	TSBus	035100A5	EFW by TVol, Lee 2009						
1076	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	035100A9	EFW Precentail by USGA, Williams, 1982	TSBus	035100A5	EFW by TVol, Lee 2009						
1077	SD	DCM	121414	Standard deviation of population				TSBus	035100A5	EFW by TVol, Lee 2009						
1254	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	035100A5	EFW by TVol, Lee 2009									
1233	Ratio	TSBus	0353019A	EFW Ratio	TSBus	035100A5	EFW by TVol, Lee 2009									
1234	Discordance	TSBus	0353019B	EFW Discordance	TSBus	035100A5	EFW by TVol, Lee 2009									
1078	GA	LN	18185-9	Gestational Age	LN	33184-3	FWP by GA, Williams, 1982	TSBus	035100A6	EFW by AC,TVol, Lee 2009						
1079	EFW (Lee5-Williams)	LN	11727-5	Estimated Weight	TSBus	035100A6	EFW by AC,TVol, Lee 2009									
1080	Percentile	LN	11767-1	EFW percentile rank	TSBus	035100A8	EFW Precentail by GA, Williams, 1982	TSBus	035100A6	EFW by AC,TVol, Lee 2009						
1081	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	035100A9	EFW Precentail by USGA, Williams, 1982	TSBus	035100A6	EFW by AC,TVol, Lee 2009						
1082	SD	DCM	121414	Standard deviation of population				TSBus	035100A6	EFW by AC,TVol, Lee 2009						
1255	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	035100A6	EFW by AC,TVol, Lee 2009									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1235	Ratio	TSBus	0353019A	EFW Ratio	TSBus	035100A6	EFW by AC,TVol, Lee 2009									
1236	Discordance	TSBus	0353019B	EFW Discordance	TSBus	035100A6	EFW by AC,TVol, Lee 2009									
1083	GA	LN	18185-9	Gestational Age	LN	33184-3	FWP by GA, Williams, 1982	TSBus	035100A7	EFW by BPD,AC,TVol, Lee 2009						
1084	EFW (Lee6-Williams)	LN	11727-5	Estimated Weight	TSBus	035100A7	EFW by AC,BPD,TVol, Lee 2009									
1085	Percentile	LN	11767-1	EFW percentile rank	TSBus	035100A8	EFW Precentail by GA, Williams, 1982	TSBus	035100A7	EFW by BPD,AC,TVol, Lee 2009						
1086	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	035100A9	EFW Precentail by USGA, Williams, 1982	TSBus	035100A7	EFW by BPD,AC,TVol, Lee 2009						
1087	SD	DCM	121414	Standard deviation of population				TSBus	035100A7	EFW by BPD,AC,TVol, Lee 2009						
1256	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	035100A7	EFW by BPD,AC,TVol, Lee 2009									
1237	Ratio	TSBus	0353019A	EFW Ratio	TSBus	035100A7	EFW by BPD,AC,TVol, Lee 2009									
1238	Discordance	TSBus	0353019B	EFW Discordance	TSBus	035100A7	EFW by BPD,AC,TVol, Lee 2009									
1088	HDL	TSBus	0353006C	Humerus length 50%												
1089	A Vol	SRT	T-D8200	Upper arm												
1090	GA	LN	18185-9	Gestational Age	TSBus	3520034	Arm, Lee 2009	SRT	R-41D2D	Calculated						
1091	CalcAVol_SD	DCM	121414	Standard deviation of population												
1092	GA	LN	18185-9	Gestational Age	LN	33184-3	FWP by GA, Williams, 1982	TSBus	035100AA	EFW by AVol, Lee 2009						
1093	EFW (Lee1-Williams)	LN	11727-5	Estimated Weight	TSBus	035100AA	EFW by AVol, Lee 2009									
1094	Percentile	LN	11767-1	EFW percentile rank	TSBus	035100A8	EFW Precentail by GA, Williams, 1982	TSBus	035100AA	EFW by AVol, Lee 2009						
1095	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	035100A9	EFW Precentail by USGA, Williams, 1982	TSBus	035100AA	EFW by AVol, Lee 2009						

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1096	SD	DCM	121414	Standard deviation of population				TSBus	035100AA	EFW by AVol, Lee 2009						
1251	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	035100AA	EFW by AVol, Lee 2009									
1239	Ratio	TSBus	0353019A	EFW Ratio	TSBus	035100AA	EFW by AVol, Lee 2009									
1240	Discordance	TSBus	0353019B	EFW Discordance	TSBus	035100AA	EFW by AVol, Lee 2009									
1097	GA	LN	18185-9	Gestational Age	LN	33184-3	FWP by GA, Williams, 1982	TSBus	035100AB	EFW by AC,AVol, Lee 2009						
1098	EFW (Lee2-Williams)	LN	11727-5	Estimated Weight	TSBus	035100AB	EFW by AC,AVol, Lee 2009									
1099	Percentile	LN	11767-1	EFW percentile rank	TSBus	035100A8	EFW Precentail by GA, Williams, 1982	TSBus	035100AB	EFW by AC,AVol, Lee 2009						
1100	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	035100A9	EFW Precentail by USGA, Williams, 1982	TSBus	035100AB	EFW by AC,AVol, Lee 2009						
1101	SD	DCM	121414	Standard deviation of population				TSBus	035100AB	EFW by AC,AVol, Lee 2009						
1252	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	035100AB	EFW by AC,AVol, Lee 2009									
1241	Ratio	TSBus	0353019A	EFW Ratio	TSBus	035100AB	EFW by AC,AVol, Lee 2009									
1242	Discordance	TSBus	0353019B	EFW Discordance	TSBus	035100AB	EFW by AC,AVol, Lee 2009									
1102	GA	LN	18185-9	Gestational Age	LN	33184-3	FWP by GA, Williams, 1982	TSBus	035100AC	EFW by BPD,AC,AVol, Lee 2009						
1103	EFW (Lee3-Williams)	LN	11727-5	Estimated Weight	TSBus	035100AC	EFW by ,BPD,AC,,AVol, Lee 2009									
1104	Percentile	LN	11767-1	EFW percentile rank	TSBus	035100A8	EFW Precentail by GA, Williams, 1982	TSBus	035100AC	EFW by BPD,AC,AVol, Lee 2009						
1105	USGA Percentile	LN	11767-1	EFW percentile rank	TSBus	035100A9	EFW Precentail by USGA, Williams, 1982	TSBus	035100AC	EFW by BPD,AC,AVol, Lee 2009						
1106	SD	DCM	121414	Standard deviation of population				TSBus	035100AC	EFW by BPD,AC,AVol, Lee 2009						

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1253	ErrorRange	SCT	371884006	+/-, range of measurement uncertainty	TSBus	035100AC	EFW by BPD,AC,AVol, Lee 2009									
1243	Ratio	TSBus	0353019A	EFW Ratio	TSBus	035100AC	EFW by BPD,AC,AVol, Lee 2009									
1244	Discordance	TSBus	0353019B	EFW Discordance	TSBus	035100AC	EFW by BPD,AC,AVol, Lee 2009									
1177	NST	LN	11635-5	Fetal Heart Reactivity												
1178	FT	LN	11635-0	Fetal Tone												
1179	FM	LN	11631-9	Gross Body Movement												
1180	FBM	LN	11632-7	Fetal Breathing												
1181	AFV	LN	11630-1	Amniotic Fluid Volume												
1182	BPS	L	11634-3	Biophysical Profile Sum Score												

Table 8.1-59
OB-GYN

Meas.No	Meas. Label	Follicle Identifier	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0268	Volume		LN	12164-0	Left Ovary Volume												
0269	Dist1		LN	11829-9	Left Ovary Width												
0270	Dist2		LN	11840-6	Left Ovary Length												
0271	Dist3		LN	11857-0	Left Ovary Height												
0272	Volume		LN	12165-7	Right Ovary Volume												
0273	Dist1		LN	11830-7	Right Ovary Width												
0274	Dist2		LN	11841-4	Right Ovary Length												
0275	Dist3		LN	11858-8	Right Ovary Height												
0276	Volume		LN	33192-6	Uterus Volume												
0277	Dist1		LN	11865-3	Uterus Width												
0278	Dist2		LN	11842-2	Uterus Length												
0279	Dist3		LN	11859-6	Uterus Height												
0280	Endometrium		LN	12145-9	Endometrium Thickness												
0281	Volume	1	SRT	G-D705	Volume							SRT	G-A101	Left			
0282	Dist1	1	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0283	Dist2	1	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0284	Dist3	1	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0285	Volume	2	SRT	G-D705	Volume							SRT	G-A101	Left			
0286	Dist1	2	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0287	Dist2	2	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0288	Dist3	2	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0289	Volume	3	SRT	G-D705	Volume							SRT	G-A101	Left			
0290	Dist1	3	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0291	Dist2	3	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0292	Dist3	3	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0293	Volume	4	SRT	G-D705	Volume							SRT	G-A101	Left			

Meas.No	Meas. Label	Follicle Identifier	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0294	Dist1	4	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0295	Dist2	4	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0296	Dist3	4	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0297	Volume	5	SRT	G-D705	Volume							SRT	G-A101	Left			
0298	Dist1	5	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0299	Dist2	5	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0300	Dist3	5	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0301	Volume	6	SRT	G-D705	Volume							SRT	G-A101	Left			
0302	Dist1	6	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0303	Dist2	6	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0304	Dist3	6	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0305	Volume	7	SRT	G-D705	Volume							SRT	G-A101	Left			
0306	Dist1	7	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0307	Dist2	7	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0308	Dist3	7	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0309	Volume	8	SRT	G-D705	Volume							SRT	G-A101	Left			
0310	Dist1	8	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0311	Dist2	8	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0312	Dist3	8	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0498	Volume	9	SRT	G-D705	Volume							SRT	G-A101	Left			
0499	Dist1	9	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0500	Dist2	9	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0501	Dist3	9	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0502	Volume	10	SRT	G-D705	Volume							SRT	G-A101	Left			
0503	Dist1	10	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0504	Dist2	10	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0505	Dist3	10	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0506	Volume	11	SRT	G-D705	Volume							SRT	G-A101	Left			

Meas.No	Meas. Label	Follicle Identifier	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0507	Dist1	11	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0508	Dist2	11	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0509	Dist3	11	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0510	Volume	12	SRT	G-D705	Volume							SRT	G-A101	Left			
0511	Dist1	12	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0512	Dist2	12	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0513	Dist3	12	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0514	Volume	13	SRT	G-D705	Volume							SRT	G-A101	Left			
0515	Dist1	13	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0516	Dist2	13	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0517	Dist3	13	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0518	Volume	14	SRT	G-D705	Volume							SRT	G-A101	Left			
0519	Dist1	14	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0520	Dist2	14	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0521	Dist3	14	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0522	Volume	15	SRT	G-D705	Volume							SRT	G-A101	Left			
0523	Dist1	15	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0524	Dist2	15	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0525	Dist3	15	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0526	Volume	16	SRT	G-D705	Volume							SRT	G-A101	Left			
0527	Dist1	16	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0528	Dist2	16	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0529	Dist3	16	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0530	Volume	17	SRT	G-D705	Volume							SRT	G-A101	Left			
0531	Dist1	17	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0532	Dist2	17	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0533	Dist3	17	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0534	Volume	18	SRT	G-D705	Volume							SRT	G-A101	Left			

Meas.No	Meas. Label	Follicle Identifier	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0535	Dist1	18	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0536	Dist2	18	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0537	Dist3	18	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0538	Volume	19	SRT	G-D705	Volume							SRT	G-A101	Left			
0539	Dist1	19	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0540	Dist2	19	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0541	Dist3	19	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0542	Volume	20	SRT	G-D705	Volume							SRT	G-A101	Left			
0543	Dist1	20	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0544	Dist2	20	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0545	Dist3	20	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0546	Volume	21	SRT	G-D705	Volume							SRT	G-A101	Left			
0547	Dist1	21	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0548	Dist2	21	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0549	Dist3	21	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0550	Volume	22	SRT	G-D705	Volume							SRT	G-A101	Left			
0551	Dist1	22	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0552	Dist2	22	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0553	Dist3	22	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0554	Volume	23	SRT	G-D705	Volume							SRT	G-A101	Left			
0555	Dist1	23	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0556	Dist2	23	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0557	Dist3	23	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0558	Volume	24	SRT	G-D705	Volume							SRT	G-A101	Left			
0559	Dist1	24	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0560	Dist2	24	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0561	Dist3	24	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0562	Volume	25	SRT	G-D705	Volume							SRT	G-A101	Left			

Meas.No	Meas. Label	Follicle Identifier	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0563	Dist1	25	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0564	Dist2	25	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0565	Dist3	25	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0313	Volume	1	SRT	G-D705	Volume							SRT	G-A100	Right			
0314	Dist1	1	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0315	Dist2	1	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0316	Dist3	1	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0317	Volume	2	SRT	G-D705	Volume							SRT	G-A100	Right			
0318	Dist1	2	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0319	Dist2	2	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0320	Dist3	2	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0321	Volume	3	SRT	G-D705	Volume							SRT	G-A100	Right			
0322	Dist1	3	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0323	Dist2	3	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0324	Dist3	3	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0325	Volume	4	SRT	G-D705	Volume							SRT	G-A100	Right			
0326	Dist1	4	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0327	Dist2	4	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0328	Dist3	4	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0329	Volume	5	SRT	G-D705	Volume							SRT	G-A100	Right			
0330	Dist1	5	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0331	Dist2	5	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0332	Dist3	5	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0333	Volume	6	SRT	G-D705	Volume							SRT	G-A100	Right			
0334	Dist1	6	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0335	Dist2	6	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0336	Dist3	6	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0337	Volume	7	SRT	G-D705	Volume							SRT	G-A100	Right			

Meas.No	Meas. Label	Follicle Identifier	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0338	Dist1	7	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0339	Dist2	7	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0340	Dist3	7	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0341	Volume	8	SRT	G-D705	Volume							SRT	G-A100	Right			
0342	Dist1	8	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0343	Dist2	8	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0344	Dist3	8	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0566	Volume	9	SRT	G-D705	Volume							SRT	G-A100	Right			
0567	Dist1	9	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0568	Dist2	9	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0569	Dist3	9	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0570	Volume	10	SRT	G-D705	Volume							SRT	G-A100	Right			
0571	Dist1	10	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0572	Dist2	10	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0573	Dist3	10	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0574	Volume	11	SRT	G-D705	Volume							SRT	G-A100	Right			
0575	Dist1	11	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0576	Dist2	11	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0577	Dist3	11	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0578	Volume	12	SRT	G-D705	Volume							SRT	G-A100	Right			
0579	Dist1	12	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0580	Dist2	12	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0581	Dist3	12	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0582	Volume	13	SRT	G-D705	Volume							SRT	G-A100	Right			
0583	Dist1	13	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0584	Dist2	13	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0585	Dist3	13	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0586	Volume	14	SRT	G-D705	Volume							SRT	G-A100	Right			

Meas.No	Meas. Label	Follicle Identifier	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0587	Dist1	14	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0588	Dist2	14	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0589	Dist3	14	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0590	Volume	15	SRT	G-D705	Volume							SRT	G-A100	Right			
0591	Dist1	15	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0592	Dist2	15	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0593	Dist3	15	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0594	Volume	16	SRT	G-D705	Volume							SRT	G-A100	Right			
0595	Dist1	16	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0596	Dist2	16	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0597	Dist3	16	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0598	Volume	17	SRT	G-D705	Volume							SRT	G-A100	Right			
0599	Dist1	17	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0600	Dist2	17	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0601	Dist3	17	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0602	Volume	18	SRT	G-D705	Volume							SRT	G-A100	Right			
0603	Dist1	18	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0604	Dist2	18	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0605	Dist3	18	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0606	Volume	19	SRT	G-D705	Volume							SRT	G-A100	Right			
0607	Dist1	19	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0608	Dist2	19	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0609	Dist3	19	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0610	Volume	20	SRT	G-D705	Volume							SRT	G-A100	Right			
0611	Dist1	20	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0612	Dist2	20	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0613	Dist3	20	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0614	Volume	21	SRT	G-D705	Volume							SRT	G-A100	Right			

Meas.No	Meas. Label	Follicle Identifier	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0615	Dist1	21	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0616	Dist2	21	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0617	Dist3	21	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0618	Volume	22	SRT	G-D705	Volume							SRT	G-A100	Right			
0619	Dist1	22	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0620	Dist2	22	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0621	Dist3	22	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0622	Volume	23	SRT	G-D705	Volume							SRT	G-A100	Right			
0623	Dist1	23	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0624	Dist2	23	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0625	Dist3	23	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0626	Volume	24	SRT	G-D705	Volume							SRT	G-A100	Right			
0627	Dist1	24	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0628	Dist2	24	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0629	Dist3	24	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0630	Volume	25	SRT	G-D705	Volume							SRT	G-A100	Right			
0631	Dist1	25	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0632	Dist2	25	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0633	Dist3	25	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0345	Volume		SRT	M-3340A	Cyst				TSBus	03520001	Measured 1						
0346	Dist1		TSBus	03520024	Cyst Diameter 1				TSBus	03520001	Measured 1						
0347	Dist2		TSBus	03520025	Cyst Diameter 2				TSBus	03520001	Measured 1						
0348	Dist3		TSBus	03520026	Cyst Diameter 3				TSBus	03520001	Measured 1						
0349	Volume		SRT	M-3340A	Cyst				TSBus	03520002	Measured 2						
0350	Dist1		TSBus	03520024	Cyst Diameter 1				TSBus	03520002	Measured 2						
0351	Dist2		TSBus	03520025	Cyst Diameter 2				TSBus	03520002	Measured 2						
0352	Dist3		TSBus	03520026	Cyst Diameter 3				TSBus	03520002	Measured 2						
0353	Volume		SRT	M-3340A	Cyst				TSBus	03520003	Measured 3						

Meas.No	Meas. Label	Follicle Identifier	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0354	Dist1		TSBus	03520024	Cyst Diameter 1				TSBus	03520003	Measured 3						
0355	Dist2		TSBus	03520025	Cyst Diameter 2				TSBus	03520003	Measured 3						
0356	Dist3		TSBus	03520026	Cyst Diameter 3				TSBus	03520003	Measured 3						
0357	Volume		SRT	M-3340A	Cyst				TSBus	03520004	Measured 4						
0358	Dist1		TSBus	03520024	Cyst Diameter 1				TSBus	03520004	Measured 4						
0359	Dist2		TSBus	03520025	Cyst Diameter 2				TSBus	03520004	Measured 4						
0360	Dist3		TSBus	03520026	Cyst Diameter 3				TSBus	03520004	Measured 4						
0361	Volume		SRT	M-3340A	Cyst				TSBus	03520005	Measured 5						
0362	Dist1		TSBus	03520024	Cyst Diameter 1				TSBus	03520005	Measured 5						
0363	Dist2		TSBus	03520025	Cyst Diameter 2				TSBus	03520005	Measured 5						
0364	Dist3		TSBus	03520026	Cyst Diameter 3				TSBus	03520005	Measured 5						
0365	Volume		SRT	M-3340A	Cyst				TSBus	03520006	Measured 6						
0366	Dist1		TSBus	03520024	Cyst Diameter 1				TSBus	03520006	Measured 6						
0367	Dist2		TSBus	03520025	Cyst Diameter 2				TSBus	03520006	Measured 6						
0368	Dist3		TSBus	03520026	Cyst Diameter 3				TSBus	03520006	Measured 6						
0634	Volume		SRT	M-3340A	Cyst				TSBus	03520005	Measured 7						
0635	Dist1		TSBus	03520024	Cyst Diameter 1				TSBus	03520005	Measured 7						
0636	Dist2		TSBus	03520025	Cyst Diameter 2				TSBus	03520005	Measured 7						
0637	Dist3		TSBus	03520026	Cyst Diameter 3				TSBus	03520005	Measured 7						
0638	Volume		SRT	M-3340A	Cyst				TSBus	03520006	Measured 8						
0639	Dist1		TSBus	03520024	Cyst Diameter 1				TSBus	03520006	Measured 8						
0640	Dist2		TSBus	03520025	Cyst Diameter 2				TSBus	03520006	Measured 8						
0641	Dist3		TSBus	03520026	Cyst Diameter 3				TSBus	03520006	Measured 8						

Table 8.1-60
OB-Doppler

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0369	Vmin	LN	11665-7	Minimum Diastolic Velocity							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0370	Ved	LN	11653-3	End Diastolic Velocity							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0371	Vm_peak	LN	11692-1	Time averaged peak velocity							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0372	Vm_mean	LN	20352-1	Time averaged mean velocity							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0373	Vp	LN	11726-7	Peak Systolic Velocity							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0374	PI (Ved)	LN	12008-9	Pulsatility Index							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0375	RI (Ved)	LN	12023-8	Resistivity Index							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0376	PI (Vmin)	LN	12008-9	Pulsatility Index							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0377	RI (Vmin)	LN	12023-8	Resistivity Index							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0378	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
1257	HR	LN	8867-4	Heart Rate							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
1300	RutPI (Ved)Ga_SD	DCM	121414	Standard deviation of population	TSBus 035300BB Uterine PI, Merz 2005 TSBus 035300BC Uterine PI, Schaffer 1998											
1302	RutPI (Vmin)Ga_SD															
1299	RutPI (Ved)Ga_SD	DCM	125012	Growth Percentile Rank												
1301	RutPI (Vmin)Ga_SD															
1304	RutRI (Ved)Ga_SD	DCM	121414	Standard deviation of population	TSBus 035300BD Uterine RI, Merz 2005 TSBus 035300BE Uterine RI, Schaffer 1998											
1306	RutRI (Vmin)Ga_SD															
1303	RutRI (Ved)Ga_SD	DCM	125012	Growth Percentile Rank												
1305	RutRI (Vmin)Ga_SD															
0379	Vmin	LN	11665-7	Minimum Diastolic Velocity							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0380	Ved	LN	11653-3	End Diastolic Velocity							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0381	Vm_peak	LN	11692-1	Time averaged peak velocity							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0382	Vm_mean	LN	20352-1	Time averaged mean velocity							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0383	Vp	LN	11726-7	Peak Systolic Velocity							SRT	G-A101	Left	SRT	T-46820	Uterine Artery

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0384	PI (Ved)	LN	12008-9	Pulsatility Index							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0385	RI (Ved)	LN	12023-8	Resistivity Index							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0386	PI (Vmin)	LN	12008-9	Pulsatility Index							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0387	RI (Vmin)	LN	12023-8	Resistivity Index							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0388	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
1259	HR	LN	8867-4	Heart Rate							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
1292	LutPI (Ved)Ga_SD	DCM	121414	Standard deviation of population	TSBus 035300BB Uterine PI, Merz 2005 TSBus 035300BC Uterine PI, Schaffer 1998											
1294	LutPI (Vmin)Ga_SD															
1291	LutPI (Ved)Ga_SD	DCM	125012	Growth Percentile Rank												
1293	LutPI (Vmin)Ga_SD															
1296	LutRI (Ved)Ga_SD	DCM	121414	Standard deviation of population	TSBus 035300BD Uterine RI, Merz 2005 TSBus 035300BE Uterine RI, Schaffer 1998											
1298	LutRI (Vmin)Ga_SD															
1295	LutRI (Ved)Ga_SD	DCM	125012	Growth Percentile Rank												
1297	LutRI (Vmin)Ga_SD															
0389	Vmin	LN	11665-7	Minimum Diastolic Velocity										SRT	T-F1810	Umbilical Artery
0390	Ved	LN	11653-3	End Diastolic Velocity										SRT	T-F1810	Umbilical Artery
0391	Vm_peak	LN	11692-1	Time averaged peak velocity										SRT	T-F1810	Umbilical Artery
0392	Vm_mean	LN	20352-1	Time averaged mean velocity										SRT	T-F1810	Umbilical Artery
0393	Vp	LN	11726-7	Peak Systolic Velocity										SRT	T-F1810	Umbilical Artery
0394	PI (Ved)	LN	12008-9	Pulsatility Index										SRT	T-F1810	Umbilical Artery
0395	RI (Ved)	LN	12023-8	Resistivity Index										SRT	T-F1810	Umbilical Artery
0396	PI (Vmin)	LN	12008-9	Pulsatility Index										SRT	T-F1810	Umbilical Artery
0397	RI (Vmin)	LN	12023-8	Resistivity Index										SRT	T-F1810	Umbilical Artery
0398	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio										SRT	T-F1810	Umbilical Artery
0399	HR (Umb A)	LN	11948-7	Fetal Heart Rate												
1276	UmaPI (Ved)Ga_SD	DCM	121414													

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1278	UmaPI (Vmin)Ga_SD			Standard deviation of population	TSBus 035300AE Umb A PI, Harrington 1995											
1275	UmaPI (Ved)Ga_SD	DCM	125012	Growth Percentile Rank	TSBus 035300AF Umb A PI, JSUM 2003											
1277	UmaPI (Vmin)Ga_SD				TSBus 035300B0 Umb A PI, Mai 1993 TSBus 035300B1 Umb A PI, Merz 2005 TSBus 035300B2 Umb A PI, Schaffer 1998											
1280	UmaRI (Ved)Ga_SD	DCM	121414	Standard deviation of population	TSBus 035300B3 Umb A RI, JSUM 2003 TSBus 035300B4 Umb A RI, Mai 1993 TSBus 035300B5 Umb A RI, Merz 2005 TSBus 035300B6 Umb A RI, Schaffer 1998											
1282	UmaRI (Vmin)Ga_SD															
1279	UmaRI (Ved)Ga_SD	DCM	125012	Growth Percentile Rank												
1281	UmaRI (Vmin)Ga_SD															
0400	Vmin	LN	11665-7	Minimum Diastolic Velocity										SRT	T-45600	Middle Cerebral Artery
0401	Ved	LN	11653-3	End Diastolic Velocity										SRT	T-45600	Middle Cerebral Artery
0402	Vm_peak	LN	11692-1	Time averaged peak velocity										SRT	T-45600	Middle Cerebral Artery
0403	Vm_mean	LN	20352-1	Time averaged mean velocity										SRT	T-45600	Middle Cerebral Artery
0404	Vp	LN	11726-7	Peak Systolic Velocity										SRT	T-45600	Middle Cerebral Artery
0405	PI (Ved)	LN	12008-9	Pulsatility Index										SRT	T-45600	Middle Cerebral Artery
0406	RI (Ved)	LN	12023-8	Resistivity Index										SRT	T-45600	Middle Cerebral Artery
0407	PI (Vmin)	LN	12008-9	Pulsatility Index										SRT	T-45600	Middle Cerebral Artery
0408	RI (Vmin)	LN	12023-8	Resistivity Index										SRT	T-45600	Middle Cerebral Artery
0409	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio										SRT	T-45600	Middle Cerebral Artery
0410	HR (MCA)	LN	11948-7	Fetal Heart Rate												
1268	McaPI (Ved)Ga_SD	DCM	121414	Standard deviation of population	TSBus 035300A5 MCA PI, Bahlman 2002											
1270	McaPI (Vmin)Ga_SD															

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1267	McaPI (Ved)Ga_SD	DCM	125012	Growth Percentile Rank	TSBus 035300A6 MCA PI, Harrington 1995 TSBus 035300A7 MCA PI, JSUM 2003 TSBus 035300A8 MCA PI, Mai 1993 TSBus 035300A9 MCA PI, Schaffer 1998											
1269	McaPI (Vmin)Ga_SD															
1272	McaRI (Ved)Ga_SD	DCM	121414	Standard deviation of population	TSBus 035300AA MCA RI, Bahlman 2002 TSBus 035300AB MCA RI, JSUM 2003 TSBus 035300AC MCA RI, Mai 1993 TSBus 035300AD MCA RI, Schaffer 1998											
1274	McaRI (Vmin)Ga_SD															
1271	McaRI (Ved)Ga_SD	DCM	125012	Growth Percentile Rank												
1273	McaRI (Vmin)Ga_SD															
0411	Vmin	LN	11665-7	Minimum Diastolic Velocity										SRT	T-42000	Aorta
0412	Ved	LN	11653-3	End Diastolic Velocity										SRT	T-42000	Aorta
0413	Vm_peak	LN	11692-1	Time averaged peak velocity										SRT	T-42000	Aorta
0414	Vm_mean	LN	20352-1	Time averaged mean velocity										SRT	T-42000	Aorta
0415	Vp	LN	11726-7	Peak Systolic Velocity										SRT	T-42000	Aorta
0416	PI (Ved)	LN	12008-9	Pulsatility Index										SRT	T-42000	Aorta
0417	RI (Ved)	LN	12023-8	Resistivity Index										SRT	T-42000	Aorta
0418	PI (Vmin)	LN	12008-9	Pulsatility Index										SRT	T-42000	Aorta
0419	RI (Vmin)	LN	12023-8	Resistivity Index										SRT	T-42000	Aorta
0420	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio										SRT	T-42000	Aorta
0421	HR (Fetal Ao)	LN	11948-7	Fetal Heart Rate												
1260	FetalAoPI (Ved)Ga_SD	DCM	121414	Standard deviation of population	TSBus 035300A0 Fetal Ao PI, Harrington 1995 TSBus 035300A1 Fetal Ao PI, Mai 1993 TSBus 035300A2 Fetal Ao PI, Schaffer 1998											
1262	FEtalAoPI (Vmin)Ga_SD															
1259	FetalAoPI (Ved)Ga_SD	DCM	125012	Growth Percentile Rank												
1261	FetalAoPI (Vmin)Ga_SD															
1264	FetalAoRI (Ved)Ga_SD	DCM	121414	Standard deviation of population	TSBus 035300A3 Fetal Ao RI, Mai 1993											

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1266	FetalAoRI (Vmin)Ga_SD				TSBus 035300A4 Fetal Ao RI, Schaffer 1998											
1263	FetalAoRI (Ved)Ga_SD	DCM	125012	Growth Percentile Rank												
1265	FetalAoRI (Vmin)Ga_SD															
0422	Vmin	LN	11665-7	Minimum Diastolic Velocity							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0423	Ved	LN	11653-3	End Diastolic Velocity							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0424	Vm_peak	LN	11692-1	Time averaged peak velocity							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0425	Vm_mean	LN	20352-1	Time averaged mean velocity							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0426	Vp	LN	11726-7	Peak Systolic Velocity							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0427	PI (Ved)	LN	12008-9	Pulsatility Index							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0428	RI (Ved)	LN	12023-8	Resistivity Index							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0429	PI (Vmin)	LN	12008-9	Pulsatility Index							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0430	RI (Vmin)	LN	12023-8	Resistivity Index							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0431	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0433	Vmin	LN	11665-7	Minimum Diastolic Velocity							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0434	Ved	LN	11653-3	End Diastolic Velocity							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0435	Vm_peak	LN	11692-1	Time averaged peak velocity							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0436	Vm_mean	LN	20352-1	Time averaged mean velocity							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0437	Vp	LN	11726-7	Peak Systolic Velocity							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0438	PI (Ved)	LN	12008-9	Pulsatility Index							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0439	RI (Ved)	LN	12023-8	Resistivity Index							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0440	PI (Vmin)	LN	12008-9	Pulsatility Index							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0441	RI (Vmin)	LN	12023-8	Resistivity Index							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0442	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0444	Vmin	LN	11665-7	Minimum Diastolic Velocity										SRT	T-F1412	Vitelline Artery of Placenta
0445	Ved	LN	11653-3	End Diastolic Velocity										SRT	T-F1412	Vitelline Artery of Placenta
0446	Vm_peak	LN	11692-1	Time averaged peak velocity										SRT	T-F1412	Vitelline Artery of Placenta
0447	Vm_mean	LN	20352-1	Time averaged mean velocity										SRT	T-F1412	Vitelline Artery of Placenta
0448	Vp	LN	11726-7	Peak Systolic Velocity										SRT	T-F1412	Vitelline Artery of Placenta
0449	PI (Ved)	LN	12008-9	Pulsatility Index										SRT	T-F1412	Vitelline Artery of Placenta
0450	RI (Ved)	LN	12023-8	Resistivity Index										SRT	T-F1412	Vitelline Artery of Placenta
0451	PI (Vmin)	LN	12008-9	Pulsatility Index										SRT	T-F1412	Vitelline Artery of Placenta
0452	RI (Vmin)	LN	12023-8	Resistivity Index										SRT	T-F1412	Vitelline Artery of Placenta
0453	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio										SRT	T-F1412	Vitelline Artery of Placenta
0455	Vmin	LN	11665-7	Minimum Diastolic Velocity							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0456	Ved	LN	11653-3	End Diastolic Velocity							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0457	Vm_peak	LN	11692-1	Time averaged peak velocity							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0458	Vm_mean	LN	20352-1	Time averaged mean velocity							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0459	Vp	LN	11726-7	Peak Systolic Velocity							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0460	PI (Ved)	LN	12008-9	Pulsatility Index							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0461	RI (Ved)	LN	12023-8	Resistivity Index							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0462	PI (Vmin)	LN	12008-9	Pulsatility Index							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0463	RI (Vmin)	LN	12023-8	Resistivity Index							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0464	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0466	Vmin	LN	11665-7	Minimum Diastolic Velocity							SRT	G-A100	Right	SRT	T-46600	Renal Artery

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0467	Ved	LN	11653-3	End Diastolic Velocity							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0468	Vm_peak	LN	11692-1	Time averaged peak velocity							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0469	Vm_mean	LN	20352-1	Time averaged mean velocity							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0470	Vp	LN	11726-7	Peak Systolic Velocity							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0471	PI (Ved)	LN	12008-9	Pulsatility Index							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0472	RI (Ved)	LN	12023-8	Resistivity Index							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0473	PI (Vmin)	LN	12008-9	Pulsatility Index							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0474	RI (Vmin)	LN	12023-8	Resistivity Index							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0475	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0477	FHR	LN	11948-7	Fetal Heart Rate												
0483	S (DV with Vel Trace)	LN	11726-7	Peak Systolic Velocity										TSBus	03350005	Ductus Venosus
0485	D (DV with Vel Trace)	LN	11653-3	End Diastolic Velocity										TSBus	03350005	Ductus Venosus
0487	a (DV with Vel Trace)	TSBus	03350006	Peak velocity during atrial contraction										TSBus	03350005	Ductus Venosus
0478	Vm_peak	LN	11692-1	Time averaged peak velocity										TSBus	03350005	Ductus Venosus
0479	PIV	TSBus	03350007	PIV=(S-a)/Vm_peak												
1284	DuctusPIV_SD	DCM	121414	Standard deviation of population	TSBus	035300B7	PIV, Baschat 2003									
1283	DuctusPIV_SC	DCM	125012	Growth Percentile Rank												
0480	PVIV	TSBus	03350008	PVIV=(S-a)/D												
1286	DuctusPVIV_SD	DCM	121414	Standard deviation of population	TSBus	035300B8	PVIV, Baschat 2003									
1285	DuctusPVIV_SC	DCM	125012	Growth Percentile Rank												
0481	a/S	TSBus	03350009	a/S												
1288	Ductusa/S_SD	DCM	121414	Standard deviation of population	TSBus	035300B9	a/S, Baschat 2003									

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1287	Ductussa/S_SC	DCM	125012	Growth Percentile Rank												
0482	S/a	TSBus	0335000A	S/a												
1290	DuctusS/a_SD	DCM	121414	Standard deviation of population	TSBus	035300BA	S/a, Baschat 2003									
1289	DuctusS/a_SC	DCM	125012	Growth Percentile Rank												
649	Left Follicle1 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
650	Left Follicle1 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
651	Left Follicle1 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
652	Left Follicle1 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
653	Left Follicle1 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
654	Left Follicle1 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
655	Left Follicle1 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
656	Left Follicle1 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
657	Left Follicle1 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
937	Left Follicle1 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
938	Left Follicle1 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
658	Left Follicle2 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
659	Left Follicle2 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
660	Left Follicle2 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
661	Left Follicle2 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
662	Left Follicle2 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
663	Left Follicle2 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
664	Left Follicle2 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
665	Left Follicle2 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
666	Left Follicle2 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
939	Left Follicle2 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
940	Left Follicle2	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	d(V)_2D															
667	Left Follicle3 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
668	Left Follicle3 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
669	Left Follicle3 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
670	Left Follicle3 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
671	Left Follicle3 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
672	Left Follicle3 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
673	Left Follicle3 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
674	Left Follicle3 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
675	Left Follicle3 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
941	Left Follicle3 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
942	Left Follicle3 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
676	Left Follicle4 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
677	Left Follicle4 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
678	Left Follicle4 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
679	Left Follicle4 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
680	Left Follicle4 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
681	Left Follicle4 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
682	Left Follicle4 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
683	Left Follicle4 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
684	Left Follicle4 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
943	Left Follicle4 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
944	Left Follicle4 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
685	Left Follicle5 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
686	Left Follicle5 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
687	Left Follicle5 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
688	Left Follicle5 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
689	Left Follicle5 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
690	Left Follicle5 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
691	Left Follicle5 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
692	Left Follicle5 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
693	Left Follicle5 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
945	Left Follicle5 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
946	Left Follicle5 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
694	Left Follicle6 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
695	Left Follicle6 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
696	Left Follicle6 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
697	Left Follicle6 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
698	Left Follicle6 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
699	Left Follicle6 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
700	Left Follicle6 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
701	Left Follicle6 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
702	Left Follicle6 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
947	Left Follicle6 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
948	Left Follicle6 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
703	Left Follicle7 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
704	Left Follicle7 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
705	Left Follicle7 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
706	Left Follicle7 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
707	Left Follicle7 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
708	Left Follicle7 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
709	Left Follicle7 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
710	Left Follicle7 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
711	Left Follicle7 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
949	Left Follicle7 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
950	Left Follicle7 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
712	Left Follicle8 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
713	Left Follicle8 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
714	Left Follicle8 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
715	Left Follicle8 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
716	Left Follicle8 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
717	Left Follicle8 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
718	Left Follicle8 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
719	Left Follicle8 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
720	Left Follicle8 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
951	Left Follicle8 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
952	Left Follicle8 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
721	Left Follicle9 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
722	Left Follicle9 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
723	Left Follicle9 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
724	Left Follicle9 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
725	Left Follicle9 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
726	Left Follicle9 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
727	Left Follicle9 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
728	Left Follicle9 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
729	Left Follicle9 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
953	Left Follicle9 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
954	Left Follicle9 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
730	Left Follicle10 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
731	Left Follicle10 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
732	Left Follicle10 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
733	Left Follicle10 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
734	Left Follicle10 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
735	Left Follicle10 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
736	Left Follicle10 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
737	Left Follicle10 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
738	Left Follicle10 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
955	Left Follicle10 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
956	Left Follicle10 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
739	Left Follicle11 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
740	Left Follicle11 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
741	Left Follicle11 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
742	Left Follicle11 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
743	Left Follicle11 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
744	Left Follicle11 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
745	Left Follicle11 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
746	Left Follicle11 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
747	Left Follicle11 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
957	Left Follicle11 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
958	Left Follicle11 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
748	Left Follicle12 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
749	Left Follicle12 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
750	Left Follicle12 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
751	Left Follicle12 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
752	Left Follicle12 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
753	Left Follicle12 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
754	Left Follicle12 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
755	Left Follicle12 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
756	Left Follicle12 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
959	Left Follicle12 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
960	Left Follicle12 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
757	Left Follicle13 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
758	Left Follicle13 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
759	Left Follicle13 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
760	Left Follicle13 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
761	Left Follicle13 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
762	Left Follicle13 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
763	Left Follicle13 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
764	Left Follicle13 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
765	Left Follicle13 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
961	Left Follicle13 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
962	Left Follicle13 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
766	Left Follicle14 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
767	Left Follicle14 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
768	Left Follicle14 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
769	Left Follicle14 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
770	Left Follicle14 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
771	Left Follicle14 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
772	Left Follicle14 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
773	Left Follicle14 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
774	Left Follicle14 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
963	Left Follicle14 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
964	Left Follicle14 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
775	Left Follicle15 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
776	Left Follicle15 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
777	Left Follicle15 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
778	Left Follicle15 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
779	Left Follicle15 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
780	Left Follicle15 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
781	Left Follicle15 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
782	Left Follicle15 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
783	Left Follicle15 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
965	Left Follicle15 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
966	Left Follicle15 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
784	Left Follicle16 Vol	SRT	G-D705	Volume							SRT	G-A101	Left			
785	Left Follicle16 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
786	Left Follicle16 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A101	Left			
787	Left Follicle16 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A101	Left			
788	Left Follicle16 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A101	Left			
789	Left Follicle16 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A101	Left			
790	Left Follicle16 R	TSBus	03530011	RGB-Red							SRT	G-A101	Left			
791	Left Follicle16 G	TSBus	03530012	RGB-Green							SRT	G-A101	Left			
792	Left Follicle16 B	TSBus	03530013	RGB-Blue							SRT	G-A101	Left			
967	Left Follicle16 Vol_2D	SRT	G-D705	Volume							SRT	G-A101	Left			
968	Left Follicle16 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A101	Left			
793	Right Follicle1 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
794	Right Follicle1 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
795	Right Follicle1 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A100	Right			
796	Right Follicle1 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A100	Right			
797	Right Follicle1 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A100	Right			
798	Right Follicle1 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
799	Right Follicle1 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
800	Right Follicle1 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
801	Right Follicle1 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
969	Right Follicle1 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
970	Right Follicle1 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
802	Right Follicle2 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
803	Right Follicle2 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
804	Right Follicle2 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A100	Right			
805	Right Follicle2 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A100	Right			
806	Right Follicle2 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A100	Right			
807	Right Follicle2 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
808	Right Follicle2 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
809	Right Follicle2 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
810	Right Follicle2 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
971	Right Follicle2 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
972	Right Follicle2 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
811	Right Follicle3 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
812	Right Follicle3 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
813	Right Follicle3 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A100	Right			
814	Right Follicle3 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A100	Right			
815	Right Follicle3 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A100	Right			

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
816	Right Follicle3 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
817	Right Follicle3 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
818	Right Follicle3 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
819	Right Follicle3 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
973	Right Follicle3 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
974	Right Follicle3 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
820	Right Follicle4 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
821	Right Follicle4 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
822	Right Follicle4 dx	TSBus	03530000 D	Follicle Diameter dx							SRT	G-A100	Right			
823	Right Follicle4 dy	TSBus	03530000 E	Follicle Diameter dy							SRT	G-A100	Right			
824	Right Follicle4 dz	TSBus	03530000 F	Follicle Diameter dz							SRT	G-A100	Right			
825	Right Follicle4 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
826	Right Follicle4 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
827	Right Follicle4 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
828	Right Follicle4 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
975	Right Follicle4 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
976	Right Follicle4 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
829	Right Follicle5 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
830	Right Follicle5 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
831	Right Follicle5 dx	TSBus	03530000 D	Follicle Diameter dx							SRT	G-A100	Right			
832	Right Follicle5 dy	TSBus	03530000 E	Follicle Diameter dy							SRT	G-A100	Right			
833	Right Follicle5 dz	TSBus	03530000 F	Follicle Diameter dz							SRT	G-A100	Right			
834	Right Follicle5 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
835	Right Follicle5 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
836	Right Follicle5 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
837	Right Follicle5 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
977	Right Follicle5 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
978	Right Follicle5 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
838	Right Follicle6 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
839	Right Follicle6 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
840	Right Follicle6 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A100	Right			
841	Right Follicle6 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A100	Right			
842	Right Follicle6 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A100	Right			
843	Right Follicle6 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
844	Right Follicle6 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
845	Right Follicle6 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
846	Right Follicle6 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
979	Right Follicle6 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
980	Right Follicle6 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
847	Right Follicle7 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
848	Right Follicle7 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
849	Right Follicle7 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A100	Right			
850	Right Follicle7 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A100	Right			
851	Right Follicle7 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A100	Right			
852	Right Follicle7 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
853	Right Follicle7 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
854	Right Follicle7 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
855	Right Follicle7 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
981	Right Follicle7 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
982	Right Follicle7 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
856	Right Follicle8 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
857	Right Follicle8 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
858	Right Follicle8 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A100	Right			
859	Right Follicle8 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A100	Right			
860	Right Follicle8 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A100	Right			
861	Right Follicle8 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
862	Right Follicle8 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
863	Right Follicle8 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
864	Right Follicle8 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
983	Right Follicle8 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
984	Right Follicle8 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
865	Right Follicle9 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
866	Right Follicle9 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
867	Right Follicle9 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A100	Right			
868	Right Follicle9 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A100	Right			
869	Right Follicle9 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A100	Right			
870	Right Follicle9 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
871	Right Follicle9 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
872	Right Follicle9 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
873	Right Follicle9 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
985	Right Follicle9 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
986	Right Follicle9 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
874	Right Follicle10 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
875	Right Follicle10 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
876	Right Follicle10 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A100	Right			
877	Right Follicle10 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A100	Right			
878	Right Follicle10 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A100	Right			
879	Right Follicle10 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
880	Right Follicle10 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
881	Right Follicle10 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
882	Right Follicle10 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
987	Right Follicle10 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
988	Right Follicle10 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
883	Right Follicle11 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
884	Right Follicle11 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
885	Right Follicle11 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A100	Right			
886	Right Follicle11 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A100	Right			
887	Right Follicle11 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A100	Right			
888	Right Follicle11 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
889	Right Follicle11 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
890	Right Follicle11 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
891	Right Follicle11 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
989	Right Follicle11 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
990	Right Follicle11 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
892	Right Follicle12 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
893	Right Follicle12 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
894	Right Follicle12 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A100	Right			
895	Right Follicle12 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A100	Right			
896	Right Follicle12 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A100	Right			
897	Right Follicle12 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
898	Right Follicle12 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
899	Right Follicle12 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
900	Right Follicle12 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
991	Right Follicle12 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
992	Right Follicle12 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
901	Right Follicle13 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
902	Right Follicle13 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
903	Right Follicle13 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A100	Right			
904	Right Follicle13 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A100	Right			
905	Right Follicle13 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A100	Right			
906	Right Follicle13 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
907	Right Follicle13 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
908	Right Follicle13 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
909	Right Follicle13 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
993	Right Follicle13 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
994	Right Follicle13 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
910	Right Follicle14 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
911	Right Follicle14 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
912	Right Follicle14 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A100	Right			
913	Right Follicle14 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A100	Right			
914	Right Follicle14 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A100	Right			
915	Right Follicle14 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
916	Right Follicle14 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
917	Right Follicle14 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
918	Right Follicle14 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
995	Right Follicle14 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
996	Right Follicle14 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
919	Right Follicle15 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
920	Right Follicle15 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
921	Right Follicle15 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A100	Right			

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
922	Right Follicle15 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A100	Right			
923	Right Follicle15 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A100	Right			
924	Right Follicle15 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
925	Right Follicle15 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
926	Right Follicle15 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
927	Right Follicle15 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
997	Right Follicle15 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
998	Right Follicle15 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
928	Right Follicle16 Vol	SRT	G-D705	Volume							SRT	G-A100	Right			
929	Right Follicle16 d(V)	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
930	Right Follicle16 dx	TSBus	0353000D	Follicle Diameter dx							SRT	G-A100	Right			
931	Right Follicle16 dy	TSBus	0353000E	Follicle Diameter dy							SRT	G-A100	Right			
932	Right Follicle16 dz	TSBus	0353000F	Follicle Diameter dz							SRT	G-A100	Right			
933	Right Follicle16 Mn.d	TSBus	03530010	Follicle Diameter dmean							SRT	G-A100	Right			
934	Right Follicle16 R	TSBus	03530011	RGB-Red							SRT	G-A100	Right			
935	Right Follicle16 G	TSBus	03530012	RGB-Green							SRT	G-A100	Right			
936	Right Follicle16 B	TSBus	03530013	RGB-Blue							SRT	G-A100	Right			
999	Right Follicle16 Vol_2D	SRT	G-D705	Volume							SRT	G-A100	Right			
1000	Right Follicle16 d(V)_2D	LN	11793-7	Follicle Diameter							SRT	G-A100	Right			
1001	AoV Diam	TSBus	0353001C	Aortic Root Diameter												
1002	Zs_AoV_FL	TSBus	03530019	Aortic Root Diameter Z-Score FL												
1003	Zs_AoV_BPD	TSBus	0353001A	Aortic Root Diameter Z-Score BPD												
1004	Zs_AoV_GA	TSBus	0353001B	Aortic Root Diameter Z-Score GA												
1005	PV Diam	TSBus	0353001D	Pulm. Valve Diameter												

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1006	Zs_PV_FL	TSBus	0353003B	Pulm. Valve Diameter Z-Score FL												
1007	Zs_PV_BPD	TSBus	0353003C	Pulm. Valve Diameter Z-Score BPD												
1008	Zs_PV_GA	TSBus	0353003D	Pulm. Valve Diameter Z-Score GA												
1009	AAo Diam	TSBus	0353001E	Asc. Aortic Diameter												
1010	Zs_AAo_FL	TSBus	0353003E	Asc. Aortic Diameter Z-Score FL												
1011	Zs_AAo_BPD	TSBus	0353003F	Asc. Aortic Diameter Z-Score BPD												
1012	Zs_AAo_GA	TSBus	03530040	Asc. Aortic Diameter Z-Score GA												
1013	MPA Diam	TSBus	0353001F	Main Pulmonary Artery Diameter												
1014	Zs_MPA_FL	TSBus	03530041	Main Pulmonary Artery Diameter Z-Score FL												
1015	Zs_MPA_BPD	TSBus	03530042	Main Pulmonary Artery Diameter Z-Score BPD												
1016	Zs_MPA_GA	TSBus	03530043	Main Pulmonary Artery Diameter Z-Score GA												
1017	TV Diam	TSBus	03530020	Tricuspid Valve Orifice												
1018	Zs_TV_FL	TSBus	0353004A	Tricuspid Valve Orifice Z-Score FL												
1019	Zs_TV_BPD	TSBus	0353004B	Tricuspid Valve Orifice Z-Score BPD												
1020	Zs_TV_GA	TSBus	0353004C	Tricuspid Valve Orifice Z-Score GA												
1021	MV Diam	TSBus	03530021	Mitral Valve Orifice												
1022	Zs_MV_FL	TSBus	0353004D	Mitral Valve Orifice Z-Score FL												
1023	Zs_MV_BPD	TSBus	0353004E	Mitral Valve Orifice Z-Score BPD												
1024	Zs_MV_GA	TSBus	0353004F	Mitral Valve Orifice Z-Score GA												

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1025	RV EDD	TSBus	03530022	Right ventricular end-diastolic Dimension												
1026	Zs_RVDd_FL	TSBus	03530056	Right ventricular end-diastolic Dimension Z-Score FL												
1027	Zs_RVDd_BPD	TSBus	03530057	Right ventricular end-diastolic Dimension Z-Score BPD												
1028	Zs_RVDd_GA	TSBus	03530058	Right ventricular end-diastolic Dimension Z-Score GA												
1029	LV EDD	TSBus	03530023	Left ventricular end-diastolic Dimension												
1030	Zs_LVDd_FL	TSBus	03530059	Left ventricular end-diastolic Dimension Z-Score FL												
1031	Zs_LVDd_BPD	TSBus	0353005A	Left ventricular end-diastolic Dimension Z-Score BPD												
1032	Zs_LVDd_GA	TSBus	0353005B	Left ventricular end-diastolic Dimension Z-Score GA												
1033	RV INL	TSBus	03530024	Right Ventricle Inlet Diameter												
1034	Zs_RVL_FL	TSBus	03530050	Right Ventricle Inlet Diameter Z-Score FL												
1035	Zs_RVL_BPD	TSBus	03530051	Right Ventricle Inlet Diameter Z-Score BPD												
1036	Zs_RVL_GA	TSBus	03530052	Right Ventricle Inlet Diameter Z-Score GA												
1037	LV INL	TSBus	03530025	Left Ventricle Inlet Diameter												
1038	Zs_LVL_FL	TSBus	0353005C	Left Ventricle Inlet Diameter Z-Score FL												
1039	Zs_LVL_BPD	TSBus	0353005D	Left Ventricle Inlet Diameter Z-Score BPD												
1040	Zs_LVL_GA	TSBus	0353005E	Left Ventricle Inlet Diameter Z-Score GA												
1041	RV Area	TSBus	03530026	Right Ventricle Area												

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1042	Zs_RVA_FL	TSBus	03530053	Right Ventricle Area Z-Score FL												
1043	Zs_RVA_BPD	TSBus	03530054	Right Ventricle Area Z-Score BPD												
1044	Zs_RVA_GA	TSBus	03530055	Right Ventricle Area Z-Score GA												
1045	LV Area	TSBus	03530027	Left Ventricle Area												
1046	Zs_LVA_FL	TSBus	0353005F	Left Ventricle Area Z-Score FL												
1047	Zs_LVA_BPD	TSBus	03530060	Left Ventricle Area Z-Score BPD												
1048	Zs_LVA_GA	TSBus	03530061	Left Ventricle Area Z-Score GA												
1049	DAo Diam	TSBus	03530028	Desc. Aortic Diameter												
1050	Zs_DAo_FL	TSBus	03530062	Desc. Aortic Diameter Z-Score FL												
1051	Zs_DAo_BPD	TSBus	03530063	Desc. Aortic Diameter Z-Score BPD												
1052	Zs_DAo_GA	TSBus	03530064	Desc. Aortic Diameter Z-Score GA												
1053	IVC Diam	TSBus	03530029	Vena Cava Inferior Diameter												
1054	Zs_IVC_FL	TSBus	03530065	Vena Cava Inferior Diameter Z-Score FL												
1055	Zs_IVC_BPD	TSBus	03530066	Vena Cava Inferior Diameter Z-Score BPD												
1056	Zs_IVC_GA	TSBus	03530067	Vena Cava Inferior Diameter Z-Score GA												
1057	RPA Diam	TSBus	0353002A	Right Pulmonary Artery Diameter												
1058	Zs_RPA_FL	TSBus	03530044	Right Pulmonary Artery Diameter Z-Score FL												
1059	Zs_RPA_BPD	TSBus	03530045	Right Pulmonary Artery Diameter Z-Score BPD												
1060	Zs_RPA_GA	TSBus	03530046	Right Pulmonary Artery Diameter Z-Score GA												

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$AnatomyGroup		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1061	LPA Diam	TSBus	0353002B	Left Pulmonary Artery Diameter												
1062	Zs_LPA_FL	TSBus	03530047	Left Pulmonary Artery Diameter Z-Score FL												
1063	Zs_LPA_BPD	TSBus	03530048	Left Pulmonary Artery Diameter Z-Score BPD												
1064	Zs_LPA_GA	TSBus	03530049	Left Pulmonary Artery Diameter Z-Score GA												
1065	DA Diam	TSBus	0353003D	Arterial Duct Diameter												
1066	Zs_DA_FL	TSBus	03530068	Arterial Duct Diameter Z-Score FL												
1067	Zs_DA_BPD	TSBus	03530069	Arterial Duct Diameter Z-Score BPD												
1068	Zs_DA_GA	TSBus	0353006A	Arterial Duct Diameter Z-Score GA												

8.1.1.13 Other Modules

Not applicable.

8.1.2 Usage of Attributes from received IOD's

Not applicable.

8.1.3 Attribute Mapping

Not applicable.

8.1.4 Coerced/Modified Fields

Not applicable.

8.2 DATA DICTIONARY OF PRIVATE ATTRIBUTES

Not applicable.

8.3 CODED TERMINOLOGY AND TEMPLATES

Not applicable.

8.4 GRAYSCALE IMAGE CONSISTENCY

Not applicable.

8.5 STANDARD EXTENDED/SPECIALIZED/PRIVATE SOP CLASSES

8.5.1 Standard Extended SOP Classes - US Image Storage and US Multi-frame Image Storage

Table 8.5-1
US IMAGE EXTENDED ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Pixel Spacing	(0028,0030)	DS	Pixel Spacing is only added if the user has configured this attribute to be included and the ultrasound image contains a 2D region. Pixel Spacing will enable measurements on DICOM viewers that do not support Ultrasound Region Calibration.	ANAP	AUTO

8.6 PRIVATE TRANSFER SYNTAXES

Not applicable.

8.7 STANDARD EXTENDED AND PRIVATE TEMPLATES

Not applicable.

8.8 DICOM Security Profile Details

8.8.1 Audit Trail Messages

The following tables specify the DICOM Specific Audit Messages that this product can detect and report. It defines the list of triggers that will cause audit message to be generated, if these triggers can be configured or not. It also specifies if the content of the Audit message can be configured or not.

Table 8.8-1: Audit Messages and Triggers

Audit Message	Usage	Supported Triggers	Configurable Triggers	Configurable Message	Comments
Application Activity	Used	Startup/ Close of product	N	N	
Audit Log Used	Used	Back up audit messages	N	N	
Begin Transferring DICOM Instances	Used	Network/Media storage	N	N	
Data Export	Used	Network/Media storage	N	N	
Data Import	Used	Network/Media retrieve	N	N	
DICOM Instances Accessed	Used	PHI of the local store or the media is corrected or removed	N	N	
DICOM Instance Transferred	Not Used	N/A	N	N	
DICOM Study Deleted	Not Used	N/A	N	N	
Network Entry	Not Used	N/A	N	N	
Query	Not Used	N/A	N	N	
Security Alert	Used	The local user login problem, the secure connection establishment failure, the security configuration or PHI transfer configuration update	N	N	
User Authentication	Used	The local user authentication is processing	N	N	
Order Record	Not Used	N/A	N	N	
Patient Record	Not Used	N/A	N	N	
Procedure Record	Not Used	N/A	N	N	

The following table specifies the implementation detail of each audit message supported by this product.

M This element or attribute is mandatory

U This element or attribute is user optional. The creator may include it or omit it.

MC This element or attribute is mandatory if a specified condition is true.

UC This element or attribute may be present only if a specified condition is true, if the user chooses to include it.

Table 8.8-2
Application Activity : Application Start/Stop

Real World Entities	Field Name	Opt.	Value Constraints
Event	EventID	M	EV (110100, DCM, "Application Activity")
	EventActionCode	M	EV E = Execute
	EventDateTime	M	Date and Time formatted with RFC3881. e.g. 2017-03-16T14:23:25+09:00
	EventOutcomeIndicator	M	EV 0 = Success 4 = Minor failure 8 = Serious failure 12 = Major failure
	EventTypeCode	M	DT (110120, DCM, "Application Start") DT (110121, DCM, "Application Stop")
Active Participant: Application started (1)	UserID	M	The security application role name
	UserIDTypeCode	U	EV (110150, DCM, "Application")
	AlternativeUserID	MC	Process ID of the security application
	UserName	U	not specialized
	UserIsRequestor	M	False
	RoleIDCode	M	EV (110150, DCM, "Application")
	NetworkAccessPointTypeCode	U	EV 1 = Machine Name, including DNS name 2 = IP Address
	NetworkAccessPointID	U	Host name or IP address of this product
Active Participant: Persons and or processes that started the Application (0..1)	UserID	M	The person to start or stop the security application
	UserIDTypeCode	U	EV (113871, DCM, "Person ID")
	AlternativeUserID	U	not specialized
	UserName	U	not specialized
	UserIsRequestor	M	True
	RoleIDCode	M	EV (110151, DCM, "Application Launcher")
	NetworkAccessPointTypeCode	U	EV 1 = Machine Name, including DNS name 2 = IP Address
	NetworkAccessPointID	U	Host name or IP address of this product
Audit Source	AuditSourceID	M	Host name of this product
	AuditSourceTypeCode	U	EV 2 = Data acquisition device or instrument

Table 8.8-3
Audit Log Used

Real World Entities	Field Name	Opt.	Value Constraints
Event	EventID	M	EV (110101, DCM, "Audit Log Used")
	EventActionCode	M	EV R = read
	EventDateTime	M	Date and Time formatted with RFC3881. e.g. 2017-03-16T14:23:25+09:00
	EventOutcomeIndicator	M	EV 0 = Success 4 = Minor failure 8 = Serious failure 12 = Major failure
	EventTypeCode	U	not specialized
Active Participant: Persons and or processes that started the Application (1..2)	UserID	M	The person and application to access the audit logs
	UserIDTypeCode	U	EV (113871, DCM, "Person ID") EV (110150, DCM, "Application")
	AlternativeUserID	U	Process ID of the application
	UserName	U	not specialized
	UserIsRequestor	M	True
	RoleIDCode	U	EV (110150, DCM, "Application")
	NetworkAccessPointTypeCode	U	EV 1 = Machine Name, including DNS name 2 = IP Address
	NetworkAccessPointID	U	Host name or IP address of this product
Participating Object: Identity of the audit log (1)	ParticipantObjectTypeCode	M	EV 2 = system object
	ParticipantObjectTypeCodeRole	M	EV 13 = security resource
	ParticipantObjectDataLifeCycle	U	EV 6 = Access/Use
	ParticipantObjectIDTypeCode	M	EV 12 = URI
	ParticipantObjectSensitivity	U	not specialized
	ParticipantObjectID	M	The URI of the audit log file to be accessed.
	ParticipantObjectName	M	"Security Audit Log"
	ParticipantObjectDetail	U	not specialized
	ParticipantObjectDescription	U	not specialized
	SOPClass	U	not specialized
	Accession	U	not specialized
	NumberOfInstances	U	not specialized

Real World Entities	Field Name	Opt.	Value Constraints
	Instances	U	not specialized
	Encrypted	U	not specialized
	Anonymized	U	not specialized
	ParticipantObjectContainsStudy	U	not specialized
Audit Source	AuditSourceID	M	Host name of this product
	AuditSourceTypeCode	U	EV 2 = Data acquisition device or instrument

Table 8.8-4
Begin Transferring DICOM Instances

Real World Entities	Field Name	Opt.	Value Constraints
Event	EventID	M	EV (110102, DCM, "Begin Transferring DICOM Instances")
	EventActionCode	M	EV E = Execute
	EventDateTime	M	Date and Time formatted with RFC3881. e.g. 2017-03-16T14:23:25+09:00
	EventOutcomeIndicator	M	EV 0 = Success 4 = Minor failure 8 = Serious failure 12 = Major failure
	EventTypeCode	U	not specialized
Active Participant: Process Sending the Data (1)	UserID	M	The AE Title of Archive Device used in the association
	UserIDTypeCode	U	EV (110119, DCM, "Station AE Title")
	AlternativeUserID	U	Process ID of the participant application
	UserName	U	not specialized
	UserIsRequestor	M	False when other Participants as person is available, else True with including the automated operation
	RoleIDCode	M	EV (110153, DCM, "Source Role ID")
	NetworkAccessPointTypeCode	U	1 = Machine Name, including DNS name 2 = IP Address
	NetworkAccessPointID	U	Host name or IP address of this product
Active Participant: Process receiving the data (1)	UserID	M	The AE Title of Destination Device
	UserIDTypeCode	U	EV (110119, DCM, 'Station AE Title')
	AlternativeUserID	U	not specialized

Real World Entities	Field Name	Opt.	Value Constraints
	UserName	U	not specialized
	UserIsRequestor	M	False
	RoleIDCode	M	EV (110152, DCM, "Destination Role ID")
	NetworkAccessPointTypeCode	U	EV 1 = Machine Name, including DNS name 2 = IP Address
	NetworkAccessPointID	U	Host name or IP address of the destination
Active Participant: Other Participants (0..N)	UserID	M	The person to perform the triggered event. (UserID value 'Unknown' is available)
	UserIDTypeCode	U	EV (113871, DCM, "Person ID")
	AlternativeUserID	U	not specialized
	UserName	U	not specialized
	UserIsRequestor	M	True
	RoleIDCode	U	EV (110151, DCM, "Application Launcher")
	NetworkAccessPointTypeCode	U	EV 1 = Machine Name, including DNS name 2 = IP Address
	NetworkAccessPointID	U	Host name or IP address of this product
Participating Object: Studies being transferred (1..N)	ParticipantObjectTypeCode	M	EV 2 = system object
	ParticipantObjectTypeCodeRole	M	EV 3 = report
	ParticipantObjectDataLifeCycle	U	13 = Archiving
	ParticipantObjectIDTypeCode	M	EV (110180, DCM, "Study Instance UID")
	ParticipantObjectSensitivity	U	not specialized
	ParticipantObjectID	M	The Study Instance UID
	ParticipantObjectName	MC	Required if ParticipantObjectQuery is not present.
	ParticipantObjectQuery	MC	Required if ParticipantObjectName is not present.
	ParticipantObjectDetail	U	not specialized
	ParticipantObjectDescription	U	not specialized
	SOPClass	MC	not specialized
	Accession	U	not specialized
	NumberOfInstances	U	not specialized
	Instances	U	not specialized

Real World Entities	Field Name	Opt.	Value Constraints
	Encrypted	U	False
	Anonymized	U	False
Participating Object: Patient (1)	ParticipantObjectTypeCode	M	EV 1 = person
	ParticipantObjectTypeCodeRole	M	EV 1 = patient
	ParticipantObjectDataLifeCycle	U	EV 13 = Archiving
	ParticipantObjectIDTypeCode	M	EV 2 = patient ID
	ParticipantObjectSensitivity	U	not specialized
	ParticipantObjectID	M	The patient ID
	ParticipantObjectName	M	The patient name
	ParticipantObjectDetail	U	not specialized
	ParticipantObjectDescription	U	not specialized
Audit Source	AuditSourceID	M	Host name of this product
	AuditSourceTypeCode	U	EV 2 = Data acquisition device or instrument

Table 8.8-5
Data Export

Real World Entities	Field Name	Opt.	Value Constraints
Event	EventID	M	EV (110106, DCM, "Export")
	EventActionCode	M	EV R = Read
	EventDateTime	M	Date and Time formatted with RFC3881. e.g. 2017-03-16T14:23:25+09:00
	EventOutcomeIndicator	M	EV 0 = Success 4 = Minor failure 8 = Serious failure 12 = Major failure
	EventTypeCode	U	not specialized
Active Participant: Remote Users and Processes (0..1)	UserID	M	The AE Title of Destination Device
	UserIDTypeCode	U	EV (110119, DCM, "Station AE Title")
	AlternativeUserID	U	not specialized
	UserName	U	not specialized
	UserIsRequestor	M	False
	RoleIDCode	M	EV (110152, DCM, "Destination Role ID")

Real World Entities	Field Name	Opt.	Value Constraints
	NetworkAccessPointTypeCode	U	EV 1 = Machine Name, including DNS name 2 = IP Address
	NetworkAccessPointID	U	Host name or IP address of the destination
Active Participant: User or Process Exporting the data(1..2)	UserID	M	The person and application to export the data. (UserID value 'Unknown' is available)
	UserIDTypeCode	U	EV (113871, DCM, "Person ID") EV (110150, DCM, "Application")
	AlternativeUserID	U	Process ID of the application
	UserName	U	not specialized
	UserIsRequestor	M	True
	RoleIDCode	M	EV (110153, DCM, "Source Role ID")
	NetworkAccessPointTypeCode	U	EV 1 = Machine Name, including DNS name 2 = IP Address
	NetworkAccessPointID	U	Host name or IP address of this product
Active Participant: Media (1)	UserID	M	The alias name for the destination media
	UserIDTypeCode	U	EV (113877, DCM, "Device Name")
	AlternativeUserID	U	not specialized
	UserName	U	not specialized
	UserIsRequestor	M	False
	RoleIDCode	M	EV (110154, DCM, "Destination Media")
	NetworkAccessPointTypeCode	MC	EV 1 = Machine Name, including DNS name 2 = IP Address 5 = URI (user directory, HTTP-PUT, ftp, etc.) when Media Type is 110037 and 110010
	NetworkAccessPointID	MC	Host name or IP address of the destination when Media Type is 110037 and 110010
	MediaIdentifier	MC	Volume ID, URI, or other identifier for media when Media Type is 10030, 110032, 110033, 110035 and 110038
	MediaType	M	EV (110030, DCM, "USB Disk Emulation") EV (110032, DCM, "CD") EV (110033, DCM, "DVD") EV (110035, DCM, "Multi-media Card") EV (110037, DCM, "URI") EV (110010, DCM, "Film") EV (110038, DCM, "Paper Document")
Participating Object: Studies (0..N)	ParticipantObjectTypeCode	M	EV 2 = system object
	ParticipantObjectTypeCodeRole	M	EV 3 = report

Real World Entities	Field Name	Opt.	Value Constraints
	ParticipantObjectDataLifeCycle	U	EV 10 = Export
	ParticipantObjectIDTypeCode	M	EV (110180, DCM, "Study Instance UID")
	ParticipantObjectSensitivity	U	not specialized
	ParticipantObjectID	M	The Study Instance UID
	ParticipantObjectName	MC	Required if ParticipantObjectQuery is not present.
	ParticipantObjectQuery	MC	Required if ParticipantObjectName is not present.
	ParticipantObjectDetail	U	not specialized
	ParticipantObjectDescription	U	not specialized
	SOPClass	MC	The SOP Class UID
	Accession	U	Accession Number
	NumberOfInstances	U	Instance Number
	Instances	U	not specialized
	Encrypted	U	False
	Anonymized	U	False
Participating Object: Patients (1..N)	ParticipantObjectTypeCode	M	EV 1 = person
	ParticipantObjectTypeCodeRole	M	EV 1 = patient
	ParticipantObjectDataLifeCycle	U	EV 10 = Export
	ParticipantObjectIDTypeCode	M	EV 2 = patient ID
	ParticipantObjectSensitivity	U	not specialized
	ParticipantObjectID	M	The patient ID
	ParticipantObjectName	M	The patient name
	ParticipantObjectQuery	U	not specialized
	ParticipantObjectDetail	U	not specialized
	ParticipantObjectDescription	U	not specialized
Audit Source	AuditSourceID	M	Host name of this product
	AuditSourceTypeCode	U	EV 2 = Data acquisition device or instrument

Table 8.8-6
Data Import

Real World Entities	Field Name	Opt.	Value Constraints
Event	EventID	M	EV (110107, DCM, "Import")
	EventActionCode	M	EV C = Create
	EventDateTime	M	Date and Time formatted with RFC3881. e.g. 2017-03-16T14:23:25+09:00
	EventOutcomeIndicator	M	EV 0 = Success 4 = Minor failure 8 = Serious failure 12 = Major failure
	EventTypeCode	U	not specialized
Active Participant: User or Process Importing the data (1)	UserID	M	The AE Title of Destination Device
	UserIDTypeCode	U	EV (110119, DCM, "Station AE Title")
	AlternativeUserID	U	not specialized
	UserName	U	not specialized
	UserIsRequestor	M	False
	RoleIDCode	M	EV (110152, DCM, "Destination Role ID")
	NetworkAccessPointTypeCode	U	EV 1 = Machine Name, including DNS name 2 = IP Address
	NetworkAccessPointID	U	Host name or IP address of the destination
Active Participant: Source Media (1)	UserID	M	The alias name for the destination media
	UserIDTypeCode	U	EV (113877, DCM, "Device Name")
	AlternativeUserID	U	not specialized
	UserName	U	not specialized
	UserIsRequestor	M	False
	RoleIDCode	M	EV (110155, DCM, "Source Media")
	NetworkAccessPointTypeCode	U	EV 1 = Machine Name, including DNS name 2 = IP Address 5 = URI (user directory, HTTP-PUT, ftp, etc.) when Media Type is 110037
	NetworkAccessPointID	MC	Host name or IP address of the destination when Media Type is 110037
	MediaIdentifier	M	Volume ID, URI, or other identifier for media when Media Type is 10030, 110032, 110033 and 110035
	MediaType	M	EV (110030, DCM, "USB Disk Emulation") EV (110032, DCM, "CD")

Real World Entities	Field Name	Opt.	Value Constraints
			EV (110033, DCM, "DVD") EV (110035, DCM, "Multi-media Card") EV (110037, DCM, "URI")
Active Participant: Source (0..N)	UserID	M	The person and application to export the data .(UserID value 'Unknown' is available)
	UserIDTypeCode	U	EV (113871, DCM, "Person ID") EV (110150, DCM, "Application")
	AlternativeUserID	U	Process ID of the application
	UserName	U	not specialized
	UserIsRequestor	M	True
	RoleIDCode	M	EV (110153, DCM, "Source Role ID")
	NetworkAccessPointTypeCode	U	EV 1 = Machine Name, including DNS name 2 = IP Address
	NetworkAccessPointID	MC	Host name or IP address of this product
Participating Object: Studies (0..N)	ParticipantObjectTypeCode	M	EV 2 = system object
	ParticipantObjectTypeCodeRole	M	EV 3 = report
	ParticipantObjectDataLifeCycle	U	EV 2 = Import or Copy from original
	ParticipantObjectIDTypeCode	M	EV (110180, DCM, "Study Instance UID")
	ParticipantObjectSensitivity	U	not specialized
	ParticipantObjectID	M	The Study Instance UID
	ParticipantObjectName	MC	Required if ParticipantObjectQuery is not present.
	ParticipantObjectQuery	MC	Required if ParticipantObjectName is not present.
	ParticipantObjectDetail	U	Not specialized
	ParticipantObjectDescription	U	not specialized
	SOPClass	MC	The SOP Class UID
	Accession	U	Accession Number
	NumberOfInstances	U	Instance Number
	Instances	U	not specialized
	Encrypted	U	True when the operation is in the secure transport connection, else False
	Anonymized	U	True when the operation is in the Anonymized context, else False
Participating Object:	ParticipantObjectTypeCode	M	EV 1 = person

Real World Entities	Field Name	Opt.	Value Constraints
Patients (1..N)	ParticipantObjectTypeCodeRole	M	EV 1 = patient
	ParticipantObjectDataLifeCycle	U	EV 2 = Import or Copy from original
	ParticipantObjectIDTypeCode	M	EV 2 = patient ID
	ParticipantObjectSensitivity	U	not specialized
	ParticipantObjectID	M	The patient ID
	ParticipantObjectName	M	The patient name
	ParticipantObjectDetail	U	not specialized
	ParticipantObjectDescription	U	not specialized
Audit Source	AuditSourceID	M	Host name of this product
	AuditSourceTypeCode	U	EV 2 = Data acquisition device or instrument

Table 8.8-7
DICOM Instances Accessed

Real World Entities	Field Name	Opt.	Value Constraints
Event	EventID	M	EV (110103, DCM, "DICOM Instances Accessed")
	EventActionCode	M	EV C = create R = read U = update D = delete
	EventDateTime	M	Date and Time formatted with RFC3881. e.g. 2017-03-16T14:23:25+09:00
	EventOutcomeIndicator	M	EV 0 = Success 4 = Minor failure 8 = Serious failure 12 = Major failure
	EventTypeCode	U	not specialized
Active Participant: Person and or Process manipulating the data (1..2)	UserID	M	The person and application to correct the PHI
	UserIDTypeCode	U	EV (113871, DCM, "Person ID") EV (110150, DCM, "Application")
	AlternativeUserID	U	Process ID of the application
	UserName	U	not specialized
	UserIsRequestor	M	True
	RoleIDCode	U	EV (110151, DCM, "Application Launcher") EV (110150, DCM, "Application")

Real World Entities	Field Name	Opt.	Value Constraints
	NetworkAccessPointTypeCode	U	1 = Machine Name, including DNS name 2 = IP Address
	NetworkAccessPointID	U	Host name or IP address of this product
Participating Object: Studies (1..N)	ParticipantObjectTypeCode	M	EV 2 = system object
	ParticipantObjectTypeCodeRole	M	EV 3 = report
	ParticipantObjectDataLifeCycle	U	EV 6 = Access or Use 14 = Logical Deletion 15 = Permanent erasure or physical destruction
	ParticipantObjectIDTypeCode	M	EV (110180, DCM, "Study Instance UID")
	ParticipantObjectSensitivity	U	not specialized
	ParticipantObjectID	M	The Study Instance UID
	ParticipantObjectName	MC	Required if ParticipantObjectQuery is not present.
	ParticipantObjectQuery	MC	Required if ParticipantObjectName is not present.
	ParticipantObjectDetail	U	Not specialized
	ParticipantObjectDescription	U	Not specialized
	SOPClass	MC	Not specialized
	Accession	U	not specialized
	NumberOfInstances	U	not specialized
	Instances	U	not specialized
	Encrypted	U	False
	Anonymized	U	False
Participating Object: Patient (1)	ParticipantObjectTypeCode	M	EV 1 = person
	ParticipantObjectTypeCodeRole	M	EV 1 = patient
	ParticipantObjectDataLifeCycle	U	EV 6 = Access or Use 14 = Logical Deletion 15 = Permanent erasure or physical destruction
	ParticipantObjectIDTypeCode	M	EV 2 = patient ID
	ParticipantObjectSensitivity	U	not specialized
	ParticipantObjectID	M	The patient ID
	ParticipantObjectName	M	The patient name
	ParticipantObjectQuery	U	not specialized

Real World Entities	Field Name	Opt.	Value Constraints
	ParticipantObjectDetail	U	not specialized
	ParticipantObjectDescription	U	not specialized
Audit Source	AuditSourceID	M	Host name of this product
	AuditSourceTypeCode	U	EV 2 = Data acquisition device or instrument

Table 8.8-8
Security Alert: Authentication

Real World Entities	Field Name	Opt.	Value Constraints
Event	EventID	M	EV (110113, DCM, "Security Alert")
	EventActionCode	M	EV E = Execute
	EventDateTime	M	Date and Time formatted with RFC3881. e.g. 2017-03-16T14:23:25+09:00
	EventOutcomeIndicator	M	EV 0 = Success 4 = Minor failure
	EventTypeCode	M	DT (110126, DCM, "Node Authentication") DT (110122, DCM, "LogIn")
Active Participant: Reporting Person and/or Process (1..2)	UserID	M	“ULDICOMViewer”
	UserIDTypeCode	U	EV (113871, DCM, "Person ID") EV (110150, DCM, "Application")
	AlternativeUserID	U	not specialized
	UserName	U	not specialized
	UserIsRequestor	M	False
	RoleIDCode	U	EV (110151, DCM, "Application Launcher") EV (110150, DCM, "Application")
	NetworkAccessPointTypeCode	U	EV 1 = Machine Name, including DNS name 2 = IP Address
	NetworkAccessPointID	U	Host name or IP address of this product
Active Participant: Performing Persons or Processes (0)	UserID	M	not specialized
	UserIDTypeCode	U	not specialized
	AlternativeUserID	U	not specialized
	UserName	U	not specialized
	UserIsRequestor	M	False
	RoleIDCode	U	not specialized

Real World Entities	Field Name	Opt.	Value Constraints
	NetworkAccessPointTypeCode	U	not specialized
	NetworkAccessPointID	U	not specialized
Participating Object: Alert Subject (0..N)	ParticipantObjectTypeCode	M	EV 2 = system object
	ParticipantObjectTypeCodeRole	U	EV 13 = security resource
	ParticipantObjectDataLifeCycle	U	4 = Verification
	ParticipantObjectIDTypeCode	M	DT(110182, DCM, "Node ID")
	ParticipantObjectSensitivity	U	not specialized
	ParticipantObjectID	M	node_name@domain_name or an IP address of the node authentication problem username@hostname or IP address of this product of the local log on problem.
	ParticipantObjectName	M	not specialized
	ParticipantObjectDetail	M	type=Alert Description value=<Base-64 encoded authentication problem>
	ParticipantObjectDescription	U	not specialized
	SOPClass	U	not specialized
	Accession	U	not specialized
	NumberOfInstances	U	not specialized
	Instances	U	not specialized
	Encrypted	U	not specialized
	Anonymized	U	not specialized
Audit Source	AuditSourceID	M	Host name of this product
	AuditSourceTypeCode	U	EV 2 = Data acquisition device or instrument

Table 8.8-9
Security Alert: Configuration update

Real World Entities	Field Name	Opt.	Value Constraints
Event	EventID	M	EV (110113, DCM, "Security Alert")
	EventActionCode	M	EV E = Execute
	EventDateTime	M	Date and Time formatted with RFC3881. e.g. 2017-03-16T14:23:25+09:00
	EventOutcomeIndicator	M	EV 0 = Success 4 = Minor failure

Real World Entities	Field Name	Opt.	Value Constraints
			8 = Serious failure 12 = Major failure
	EventTypeCode	M	DT (110128, DCM, "Network Configuration") DT (110129, DCM, "Security Configuration") DT (110130, DCM, "Hardware Configuration") DT (110131, DCM, "Software Configuration")
Active Participant: Reporting Person and/or Process (1..2)	UserID	M	The AE Titles of this product or the configuration application name
	UserIDTypeCode	U	EV (110119, DCM, "Station AE Title") EV (110150, DCM, "Application")
	AlternativeUserID	MC	Process ID of the security application
	UserName	U	not specialized
	UserIsRequestor	M	False
	RoleIDCode	M	EV (110150, DCM, "Application")
	NetworkAccessPointTypeCode	U	EV 1 = Machine Name, including DNS name
	NetworkAccessPointID	U	Host name of this product
Active Participant: Performing Persons or Processes (0..1)	UserID	M	The person to configure the security settings
	UserIDTypeCode	U	EV (113871, DCM, "Person ID")
	AlternativeUserID	U	not specialized
	UserName	U	not specialized
	UserIsRequestor	M	True
	RoleIDCode	M	EV (110151, DCM, "Application Launcher")
	NetworkAccessPointTypeCode	U	EV 1 = Machine Name, including DNS name
	NetworkAccessPointID	U	Host name of this product
Participating Object: Alert Subject (0..N)	ParticipantObjectTypeCode	M	EV 2 = system object
	ParticipantObjectTypeCodeRole	U	EV 13 = security resource
	ParticipantObjectDataLifeCycle	U	EV 1 = C (Create) 3 = U (Update) 6 = R (Read/View/Print/Query Display or print data) or 6 = E (Perform a system or application function such as log-on, program execution, or use of an object's method) 14 = D (Delete)

Real World Entities	Field Name	Opt.	Value Constraints
	ParticipantObjectIDTypeCode	M	EV (110182, DCM, "Node ID")
	ParticipantObjectSensitivity	U	not specialized
	ParticipantObjectID	M	IP address.of this product
	ParticipantObjectName	M	not specialized
	ParticipantObjectDetail	M	type=Alert Description value=<Base-64 encoded configuration changes>
	ParticipantObjectDescription	U	not specialized
	SOPClass	U	not specialized
	Accession	U	not specialized
	NumberOfInstances	U	not specialized
	Instances	U	not specialized
	Encrypted	U	not specialized
	Anonymized	U	not specialized
Audit Source	AuditSourceID	M	Host name of this product
	AuditSourceTypeCode	U	EV 2 = Data acquisition device or instrument

Table 8.8-10
User Authentication

Real World Entities	Field Name	Opt.	Value Constraints
Event	EventID	M	EV (110114, DCM, "User Authentication")
	EventActionCode	M	EV E = Execute
	EventDateTime	M	Date and Time formatted with RFC3881. e.g. 2017-03-16T14:23:25+09:00
	EventOutcomeIndicator	M	EV 0 = Success
	EventTypeCode	M	EV (110122, DCM, "Login") EV (110123, DCM, "Logout")
Active Participant: Person Authenticated or claimed (1)	UserID	M	User name of logged in user
	UserIDTypeCode	U	EV (113871, DCM, "Person ID")
	AlternativeUserID	U	not specialized
	UserName	U	not specialized
	UserIsRequestor	M	True

Real World Entities	Field Name	Opt.	Value Constraints
	RoleIDCode	U	EV (110151, DCM, "Application Launcher")
	NetworkAccessPointTypeCode	M	EV 1 = Machine Name, including DNS name 2 = IP Address
	NetworkAccessPointID	M	Host name or IP address of this product
Active Participant: Node or System performing authentication (1)	UserID	M	“ULDICOMViewer”
	UserIDTypeCode	U	EV (110150, DCM, "Application")
	AlternativeUserID	U	Process ID of the security application
	UserName	U	not specialized
	UserIsRequestor	M	False
	RoleIDCode	U	EV (110150, DCM, "Application")
	NetworkAccessPointTypeCode	U	Host name of this product
	NetworkAccessPointID	U	1 = Machine Name, including DNS name
Audit Source	AuditSourceID	M	Host name of this product
	AuditSourceTypeCode	U	EV 2 = Data acquisition device or instrument